

From The STAFF

THE "SLUMP" IS NEARLY OVER!...Need we remind you? Your VHF and UHF DX results may have been less than spectacular lately! What is often called the "DX doldrums" for TV and FM DX should soon be coming to an end--Spring arrives this month! In another month or so, daily conditions should be getting very interesting for VHF and UHF enthusiasts. In addition to the seasonal improvement in tropospheric DX levels, the equinox is approaching, and that means auroral DX becomes more likely. We are, or course, a year or so away from the sunspot peak, a time when outstanding auroral DX is often found. Northerly DXers are reminded to be alert for this somewhat exotic mode--and don't forget, high auroral activity often results in the spawning of unusual late night E-skip.

WTFDA 1989 GETTOGETHER TAKING SHAPE...Host Bill Kretschmer reports that next month's issue will detail plans for the 1989 WTFDA Convention on the August 4th - 6th weekend in Syracuse, NY. He stresses that because of a busy schedule, he needs to hear from those intending to attend the convention well in advance--so if you're planning on being at this year's convention, watch for your April VHF-UHF DIGEST!

COLUMN NEWS...EASTERN TV DX does not appear this month. Editor John Combs relates that only a small number of brief reports were on hand...Thanks to Ron Stock for taking over the long-delayed member roster project, which can be found in this issue...TECHNICAL TOPICS editor Tim McVey continues his classic series on DX propagation in this month's installment--don't miss it, especially if you are new to the DXing hobby!

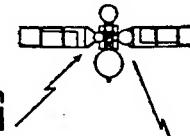
CATALOGS OF INTEREST...Dr. Bruce Elving has a new catalog out that no FM enthusiast should miss, featuring many items of interest to the DXer; if you don't already have one, send a SASE to him at Box 24, Adolph MN 55701-0024. Word has it that a new FM ATLAS edition is in the works!...TV DXers take note--Rich Wertman, 6150 Croby Road, Lockport NY 14094 says he's putting together item and price sheets for items of interest, including Channel Master, Winegard, and Antennacraft antennas--many of which will be U.P.S. shippable. Anyone interested should send Rich an SASE and \$1.00. Rich is one of the few DXers selling antennas to fellow enthusiasts, and his prices have been very reasonable in the past.

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Thanks to Tim McVey (see page 4) for this month's cover.

SATELLITE NEWS



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A few items this month. The NBC feed on Satcom 1 - 139 W has been unscrambled from time to time due to problems with its K feeds. The entire Satellite went out (K-2) on Saturday, December 18 at 6:29 PM. It took until 6AM the next day to restore complete control over the bird. Many affiliates do not have any decoding equipment with the resulting drop of the encryption. From time to time they still have periods in the clear.

The VCII transmission on Satcom 1 XPDR 13V was Z Channel which has now disappeared.

MTV West is now fully operational on Galaxy 3 no longer duplicating East.

Viewers Choice was merged with Home Premier I BELIEVE and this is where they are now?

From Orbit Magazine several items

A French newscast from TV1 in France is carried in NTSC on Satcom 2 XPDR 20. I have noticed this live on Intelsat at 34 West on XPDR 23/24.

The Catholic Telecommunications Network of America (CTNA) is now on Satcom 4 - XPDR 2 along with their audio service.

Two new K Birds are scheduled to go into orbit later this year. They are Satcom K-3 and SBS-6. More details later as launch date approaches.

Some new audio services mentioned in Orbit are as follows:

WCCO - Minneapolis on G3 11 8.145

F3 1 5.94

G3 9 5.94/6.12

KTXQ - Dallas/Ft. Worth Spacenet 3 - 15 6.3

Ambassador Inspirational Radio - Spacenet 3 - 15 - 5.4/5.94

Tidewater Radio Network (religious) - Satcom 4 - 8 5.58/5.76

CTNA Radio = Satcom 4 2 6.2

Sun Radio Network - Spacenet 1 5 5.4

Other items:

Colorbars noted NTSC on PanAmSat 11H

Does anyone know what the flap is/was between SelecTV and Starion and Superstar Connection. Many subscribers to SelecTV received a letter from Superstar Connection stating that SelecTV would cease serving the TVRO Market and that the difference would be picked up by Starion all effective Midnight Pacific Time - January 31.

SelectTV ran a disclaimer stating for people to call a non800 number for further information. I did and was told someone would get back to me = but I'm never home so I don't know if they did or didn't

Still don't know what the story is.

When launched in the future:

PanAmSat B 57W

Atlantic 31W Ku

BSB 1

BSB 2 both Ku at 31 W

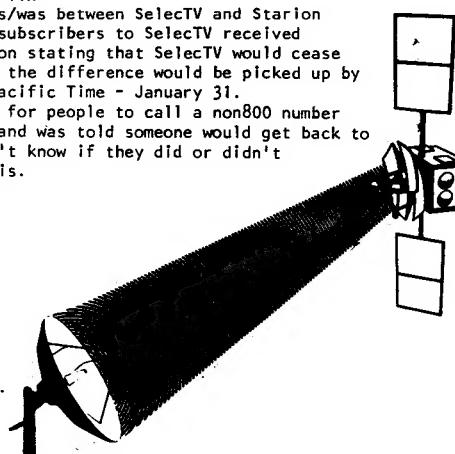
Olympus

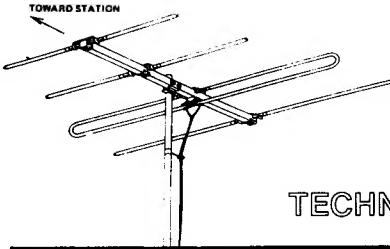
TV Sat 2

TDF 2 all 3 Ku at 19 W

Tele X - 5 E

That's all for now see you in 30.





TECHNICAL TOPICS

THE NATURE OF DX - PART IV: REFLECTION MODES

Sometimes it's amazing the secrets that nature keeps in spite of all our efforts and scientific progress. There still exist, at this time, no way to predict exactly where the next earthquake will occur, the winner of tomorrow's game, the sex of an unborn baby, etc. The behaviour of the ionosphere is a perfect example. In fact, I have deliberately put off writing this last article for over a year, thinking that somewhere I would come up with some book or person that would explain, completely, the phenomena of "sporadic E." That source hasn't turned up yet. Fortunately, 70 years of intensive research by many has led to very detailed documentation of the behaviour of the ionosphere. The highlights of all of this will be shared in this article, along with some theories about the formation of the ionosphere and its patches of ionization. We will cover, this month and next month, all of the "reflection" propagation modes for VHF/UHF: E-skip, F-2 skip, meteor scatter, and auroral.

THE ATMOSPHERE

A good place to start is to look closely at the earth's atmosphere. As seen in Figure 1, there are four regions called the troposphere, stratosphere, mesosphere, and thermosphere. The boundaries of these are determined by temperature profile. In the troposphere, temperature (T) decreases with altitude (except for the localized anomalies that cause tropo DX—see parts II and III). Around 50,000 feet, sensors on rockets have measured that T begins to increase with altitude, and does so to a maximum at around 30 miles. This region, containing our protective ozone layer, is called the stratosphere. And in similar fashion, the mesosphere and thermosphere are defined.

Within those two regions, roughly 30 to 300 miles up, electrons and ionized particles interact in a neighborhood called the ionosphere. Nitrogen and oxygen molecules that find their way out of the lower atmosphere eventually reach the ionosphere, where they collide with ultraviolet radiation (UV) from the sun. The energy from that collision knocks electrons off of the molecules, leaving positively charged ions and free electrons. Each electron soon encounters another positive ion, to which it attaches, forming once again a molecule of nitrogen or oxygen. This process of atomic "musical chairs" is called recombination.

Now, while that electron is unattached, it can be excited by radio waves. If a free electron encounters energy from a radio wave, it will oscillate and re-radiate this energy. But it can only do so until it recombines. The time that elapses between the formation of an ion (the loss of an electron) to when that electron attaches to another ion is called recombination time. The recom. time depends on how far apart particles are from each other. The distance between particles depends on how many exist within a given volume of space, a quantity called density. Thus, the greater the (electron) density, the shorter the recombination time, and the higher frequency a radio wave must be to set electrons into motion and be reflected back to earth.

Back in the 1910's, when radio was being used to communicate with ships thousands of miles away from port, there was little understanding why it worked. Some followed the school of thought (of MacDonald) that propagation around the world was due to some sort of diffraction. But the mathematics used to support this were found (by Rayleigh) to be in error. Theories and observations in the early 1920's, however, rapidly converged to understanding. Kennelly (an American researcher) and Heaviside (his independent, English counterpart) suggested that a layer in the upper atmosphere must exist, at an elevation of about 50 miles, capable of reflecting radio waves. By 1925 Appleton had "discovered" the ionosphere: a layer of dense electron concentration at about 75 miles which he called the "E" layer (because E represents the Electric field of a radio wave). Shortly thereafter layers were found above and below E, and named F and D, respectively.

Chapman, in 1931, introduced a theory of layer formation that is more or less accepted to this day. It works like this: considering the process of recombination, we know that the concentration, or density, of air decreases with height. A reasonable gas concentration profile (density vs. altitude) is shown in Fig. 2. The sun provides a source of ionizing radiation from above the atmosphere. As that radiation penetrates closer to the earth, it encounters more air and produces more electrons, thereby losing more energy. (Note the UV energy profile in Fig. 2.) At some point, the rate at which ionizing energy decreases is matched by the rate at which gas intensity increases. It is at that point where maximum electron production occurs; at that height a layer forms.

Since the source of radiation is the sun, and since the earth moves relative to the sun, the intensity of radiation varies. Further, some electrons are always lost into space, while at the same time more air is circulated upward from winds in the lower atmosphere. Because of this, (1) the air in the ionosphere is never completely ionized, (2) the recombination process continually extracts energy from solar and cosmic radiation, preventing life as we know it from being cooked, and (3) the rate of production of electrons varies according to the position of the sun. To illustrate (3), Fig. 3 shows rates of production of electrons versus height. Curves A, B, and C correspond to these rates at locations:

- A - midday, directly above the equator;
- B - midday, overhead at some latitude north of equator, in midsummer;
- C - midday, overhead at that same location in midwinter.

If all such curves over all times and places are normalized, they seem to all reduce to the form shown in Fig. 3(b). This is called a Chapman layer.

Throughout the 1930's and 40's countless experiments were devised to observe the location of this layer. Since no rockets were available then, observations were limited to making special radio transmissions called ionospheric soundings. By measuring the time for a radio wave to travel upward from an antenna, to the ionosphere, and back to the antenna, along with the maximum usable frequency (MUF) supported by reflection, it was possible to produce an "ionogram" which precisely located the layer. Countless ionograms made all over the world found not only one layer, but at least four fluctuating layers.

THE IONOSPHERIC LAYERS

The D layer is a broad region of ionization found at an altitude of 30 to 50 miles. D-layer ionization follows the intensity of the sun's radiation very closely; it peaks at noontime and disappears shortly after sunset. Further, because of the D layer's location in the lower part of the atmosphere, ionization levels are low, and recombination time is such that most radio energy is absorbed. The absorption rate decreases with increasing frequency, to the point that signals above 5 MHz are practically unaffected. (Exceptions to this occur when solar storms or man's nuclear explosions pump radiation into the D-layer and cause temporary blackouts—absorption at much higher frequencies—known as "sudden ionospheric disturbances," or SID's.) AM broadcast signals (0.54-1.6 MHz), for example, are absorbed by day (and more so in summer than in winter), but not at night, when they bounce off the E-layer and return to earth hundreds of miles away. (See Fig. 4)

The upper reaches of the D layer gradually blend into the lower extent of the E layer, loosely defined between 50 and 75 miles up. As would be expected, E-layer ionization is greater, and closely follows the position of the sun. During the night the density of the layer wanes as recombination takes place. During the day it becomes stronger, with maximum ionization around noontime. It has little effect on communications, except to contribute a little bit of absorption at low frequencies (less than 10 MHz). Within the E-layer, however, are mysterious currents and winds which give rise to short-lived patches of extremely high ionization capable of reflecting VHF signals—this condition is called "sporadic E."

The restless F layer rises and falls within an altitude of roughly 150 to 250 miles during the night. During daylight hours, the F layer separates into two distinct regions. F-1 extends from 90 to 150 miles up, and F-2 hovers around 200 miles in the summer, rising to 300 miles in the winter. (Fig. 5) Because the atmosphere is so rarefied at these altitudes, the recombination rate is low and the layer maintains a high electron concentration through the night. By day that concentration will more than double. It is the F layer which is responsible for the ability to carry on worldwide communications. Shortwave broadcasts and HF communications all over the world are routine below 15 MHz, with good conditions supported up past 30 MHz during times of high sunspot activity.

During the IGY in 1957, when study of and interest in the ionosphere was at an all time high, every nuance of the behaviour of the ion layers was observed and analyzed. Largely because of that intense research, ham radio operators and international broadcasters now have many books and charts which can be used to fairly accurately (at least as accurately as predicting tomorrow's weather) predict when and where HF propagation will be supported. For the more exotic VHF propagation by the ionosphere, however, research has failed to come up with much more than theory, even through the 70's and 80's. Today, the Chapman theory has held up somewhat, but there are many idiosyncrasies of the F-2 layer that escape explanation. For instance, why are there often two maximum rate peaks on either side of noontime? Why does electron density vary through a normal 24-hour cycle in the polar regions during the winter, when the sun does not rise for weeks at a time? And when the sun is directly over the equator at midday on the day of equinox, the peak F layer concentrations are not found overhead, but at two distinct maxima both north and south of the equator.

SUNSPOTS

Because the activities of the ionosphere are fueled by the sun, it is not surprising that radio conditions vary with time of day, seasons, geography, and solar variations. One interesting solar feature is the sunspot. For reasons still unknown, these dark areas form, and when they do they emit unusually large numbers of charged particles and UV radiation. When these things intercept the earth, the

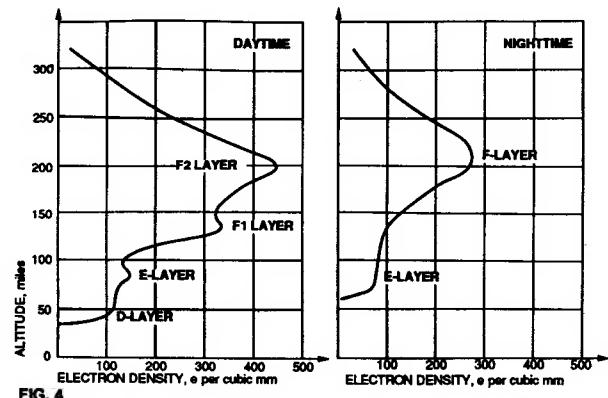


FIG. 4

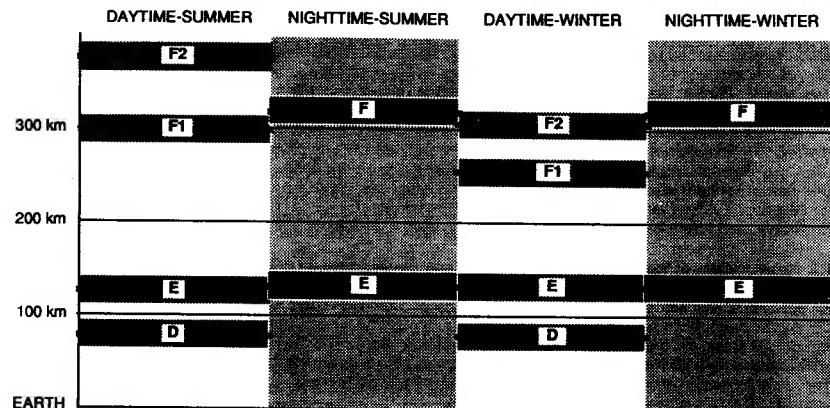


FIGURE 5

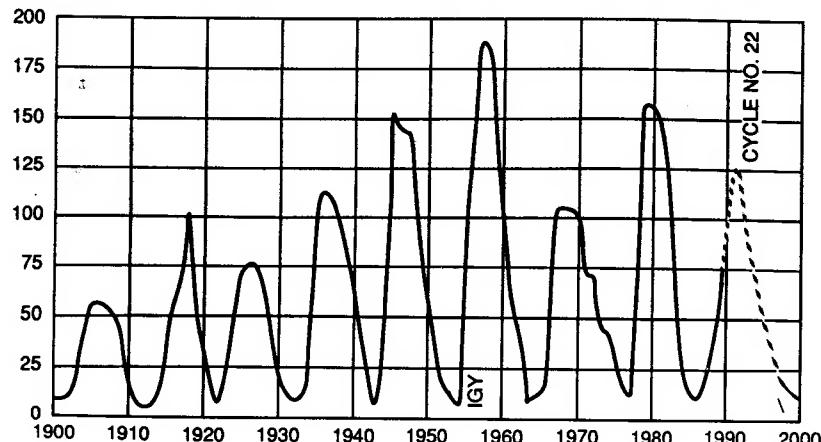


FIGURE 6 - SUNSPOT COUNT, yearly averages

ionosphere becomes quite disturbed. The particles often coincide with the appearance of aurorae. Sometimes a sufficient dose of UV will cause the MUF to fall suddenly, creating near total blackout of radio communications below 30 MHz. There have even been occurrences of MUF shooting to 100 MHz for a very short time before dropping to blackout conditions.

Sunspots, for all their mysteries, do have one very predictable form of behaviour: their numbers rise and fall on a regular, 11-year cycle. Cycle number 22 is due to reach a peak in 1991, as shown in Fig. 6. Already in 1988 worldwide observations have seen the MUF's steadily climb, and F-2 supported VHF reflection has occurred as a result of increased sunspot activity.

UV radiation travels from the sun at 186,000 miles per second, completing the trip to earth in about 8 minutes. Particle emissions travel slower, and may not cause noticeable effects on propagation for at least a day. Most of the time, the earth intercepts only a small portion of the stream spewed from a sunspot, resulting in increased electron density in the F layer(s), and an increased MUF that lasts for several hours or days. And since the sun completes one rotation every 27 days, there is often a certain periodicity to sunspot-induced events. Observations by radio amateurs have noted that while a sunspot may not always be visible, the area in which it was located may influence the ionosphere for as many as five solar rotations. It pays for DX'ers to keep records and look for repeat performances of DX openings based on this 27-day interval.

SPORADIC-E

Now we have arrived at the most important part of the article for a VHF DX'er: the formation of "sporadic-E," or ES. As mentioned earlier, ES refers to patches of high ionization that exist within the E layer, typically around 60 miles high. These patches are often referred to as "clouds" because they are believed to form and behave very much like the clouds we are accustomed to seeing in the troposphere. They are usually less than 100 miles across, and seldom more than a few miles thick. Ionization reaches levels sometimes high enough to reflect TV signals and FM broadcasts to 110 MHz. The 6 and 10 meter amateur radio bands frequently buzz with long distance activity due to ES. But no doubt the reader is wondering how exactly this takes place. So is the author! Next month this article will look into this in detail, and finish up with a brief treatment of meteor and auroral reflections.

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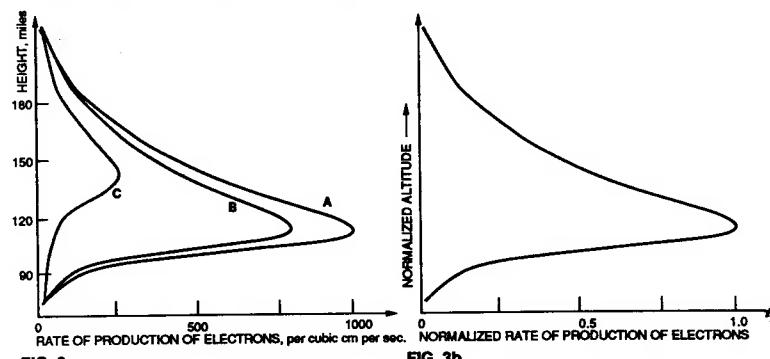
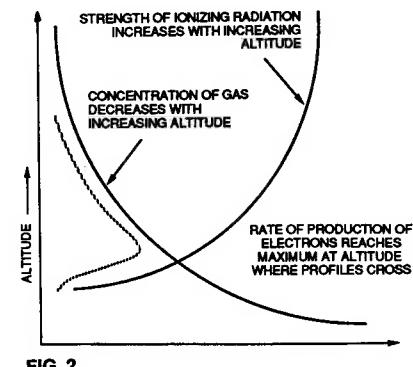
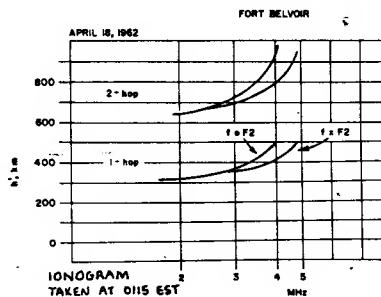
FIG. 3a
FIG. 3b

FIG. 2



Television news

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ABBREVIATIONS USED IN THIS COLUMN:					
AAT	Antenna height above average terrain				
AG	Antenna height above ground				
ASL	Antenna height above sea level				
AZ	Azimuth (North=0°)				
BT	Beam Tilt				
CIR	Circular polarization				
CP	Construction permit				
CRTC	Canadian Radio-television and Telecommunications Commission				
DA	Directional antenna				
ERP	Effective Radiated Power				
FCC	Federal Communications Commission (USA)				
HOR	measured along a horizontal plane				
MAX	In the direction or elevation of maximum signal strength				
MP	Construction permit modification				
TL	Transmitter or tower location				
+	carrier frequency offset 10 kHz above standard				
-	carrier frequency offset 10 kHz below standard				
z	carrier frequency not offset				

It is interesting to note the effects of the current freeze on applications for new television stations in or near large cities. Below is 2½ months worth of research, and only a few channel assignments were applied for. Nearly all of them are for Las Vegas. There have been fewer grants, and even this number will gradually decrease. The pitiful number of consolidated hearings represents four months worth of Federal Registers.

There is one consolation, however. This freeze has also delayed FCC action on allowing land mobile services to share the UHF television spectrum. And if UHF is opened to HDTV, the increased demand for broadcast spectrum might prevent land mobile from taking over any of the UHF spectrum.

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	HAAT	CITY/APPLICANT
MT	23	3341	2123	Missoula; Continental Television Network Inc.
NV	15	5000	2359	Las Vegas; Echonet Corporation
NV	15	3300	1267	Las Vegas; Lorraine Walker Arms
NV	15	5000	1185	Las Vegas; Blackstar Communications Inc.
NV	15	3075	1099	Las Vegas; Daniel R. Ewing
NV	15	5000	69	Las Vegas; Media Profiles Inc.
NV	15	5000	2001	Las Vegas; North Las Vegas Broadcasting Co. Inc.
NV	15	5000	1135	Las Vegas; Televenture Broadcasting Inc.
NV	15	5000	1260	Las Vegas; Tierra Alta Broadcasting Inc.
NM	50	1439	4153	Albuquerque; Mary Moran
NC	4	100	466	Manteo; Manteo TV Associates (amended)

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	HAAT	CITY/APPLICANT
AK	33	5000	98	Anchorage; Echonet Corporation
AZ	9	1	1857	Flagstaff; G&D Communications (initial decision)
CA	51	15.9	268	Merced; Wade Axell (summary decision)
CA	66	5000	435	Novato; North Bay Television Inc.
IL	59	5000	2023	Peoria; Peoria Broadcasting Services Inc.
LA	62	5000	695	Hammond; Pontchartrain Broadcasting Co. Inc. (initial decision)
NY	51	5000	1000	Batavia; Genesee Communications Inc. (initial decision)
NC	23	1500	1109	Morganton; GNOL Broadcasting Inc. (initial decision)
OR	31	100	2373	Klamath Falls; Sunshine Television
PR	60	2250	776	Arecibo; Hector Negroni Cartagena
SC	63	5000	1781	Sumter; C. Fred McLaughlin
TN	41	1000	305	Union City; James Curtis Guthrie
TX	51	5000	2023	Katy; Johnson Broadcasting Inc.
WI	52	2500	764	Mayville; Pacer Television Co.

APPLICATIONS DISMISSED

AL	Arab; ch. 56; William E. Bussey Jr.
AK	Anchorage; ch. 33; Alaska 33 Inc.
AZ	Flagstaff; ch. 9; Carl M. Fisher; Grand Canyon Broadcasting; Overview Communications Inc. (initial decision)
CA	Novato; ch. 68; Magdalene Gundun; Marin TV Services Partners Ltd.
IL	Peoria; ch. 59; Peoria Broadcasting Company.
LA	Columbia; ch. 11; Lanford Telecasting Company; Richard William Wainwright; Woods Communications Group Inc.
LA	Hammond; ch. 62; Florida Parishes TV Ltd. (initial decision)
MI	Marquette; ch. 19; Skyway Television; Turner Broadcasting & Communications Systems.
MO	St. Louis; ch. 4; Mark L. Wodlinger.
NY	Batavia; ch. 51; M&M Partnership.
NC	Morganton; ch. 23; Joel J. Kinlow Jr.; R.L. Bush Jr.
PR	Arecibo; ch. 60; The Children Television Media; Jose A. Ortiz Loza; Mountlake Productions Ltd.
PR	Fajardo; ch. 34; Hector Nicolau.
PR	Yauco; ch. 42; Telemundo Group Inc.
SC	Sumter; ch. 63; Channel 63 Limited Partnership; Sumter Television Inc.; Tantamount Communications Inc.
TX	Katy; ch. 51; Victory Media Inc.
TX	Victoria; ch. 25; Richard Lee French.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	HAAT	CITY
AL	63	2417	704	WTSU-TV Montgomery
CA	62	2340	2333	Riverside
CT	59	5010	1207	WTWU New Haven
IA	23	2650	414	KMES Ames
KY	62	5000	1027	WLKT Lexington
NV	39	1330	1204	K... Paradise; Rose Development Company
NY	26	659	597	WTJA Jamestown
OK	62	1265	971	KMNZ Oklahoma City (amended)
TX	23	1471	856	KHCE San Antonio (amended)
VA	43	1658	377	WBTV Virginia Beach
WY	2	0.19	997	KJVI Jackson

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CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	HAAT	CALLS	CITY
FL	69	5000	866	WYHS	Hollywood
GA	34	1258	1352	WNMG-TV	Athens
HI	14	75.8	26	KWHE	Honolulu
HI	15	750	5653	KOGG	Waikiki
IN	62	5000	479	WJYS	Hammond
TN	54	28.7	1007	WPM	Jellico
TN	8	316	1254	WKXT-TV	Knoxville
TX	22	5000	1873	KUYA	Galveston
TX	23	1471	856	KHCE	San Antonio
TX	22	676	328	KLRB	Wolforth
WI	49	2670	469	WJJ	Racine

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	HAAT	CALLS	CITY
DC	26	2296	766	WETA-TV	Washington (cp)
FL	3	100	1551	WEDU	Tampa (cp)
GA	28	5000	1511	WJSP-TV	Columbus (cp)
GA	44	1365	922	WVGA	Valdosta (cp)
KY	19	2676	791	WLCN	Madisonville (cp)
ND	4	80	912	KWSE	Williston (cp)
OR	13	7.2	2581	KTVR	La Grande (cp)
PR	2	55	2825	WKAO-TV	San Juan (cp)
TX	52	5000	1076	KFWD	Fort Worth (mp; s/o 9/1/88)
WV	33	5000	1238	WPBY-TV	Huntington (mp)
WI	20	1437	985	WHRM-TV	Wausau (cp)

CHANGES GRANTED STATIONS ON THE AIR

AZ	Phoenix; KTSP-TV, ch. 10; granted license to cover CP for change; antenna raised about 109' to 1805' AAT/373' AG/3047' ASL.
CT	New Britain; WVIT, ch. 30; granted CP to reduce ERP from 3090 kW to 1435 kW max; reduce antenna height by 988' to 469' AAT/141' AG/866' ASL; same TL. Get it while you can.
FL	Fort Myers; WINK-TV, ch. 11; granted license to cover CP for changes; antenna height increased 483' to 1478' AAT/1475' AG/1505' ASL; coordinates suggest same TL or close to it; BT CIR; look for some improvement to reception.
GA	Cochran; WDCO-TV, ch. 15 to change to ch. #29; ERP to be raised from 501 kW max/363 kW hor to 5000 kW max; 1088' AAT/1078' AG/1458' ASL (conflicting figures); 61' lower AAT; 107' lower AG; 87' lower ASL; same TL; BT HOR; look for substantial increase in signal strength. Note change in channel assignment.
GA	Pelham; WABW-TV, ch. 14; granted MP to raise ERP from 501 kW max/363 kW hor to 5000 kW max; antenna height reduced 27' to 1240' AAT/1193' AG/1518' ASL; same TL; this replaces data reported in the 12/87 column; looks like substantial increase in coverage area.
GA	Valdosta; WVGA, ch. 44; granted CP to raise ERP from 1290 kW max/813 kW hor to 1365 kW max; 922' AAT/922' AG/1152' ASL; current height not available, except for 920' AAT, so probably not much change there if at all.

MARCH, 1989

KY Madisonville; WLCN, ch. 19; granted CP to raise ERP from 215 kW max to 2676 kW max; increase antenna height 492' higher ASL to 791' AAT/666' AG/1220' ASL; TL north side of Hopkins County Road No. 260, about 2.4 miles west of Hanson; coordinates 37°24'46"/87°31'32" (6 miles north of present TL). Looks like a big boost both in ERP and antenna height, making for better DX in IL, IN and MO.

NM Albuquerque; KGSW-TV (ex-KSSW), ch. 14; granted license to cover CP for change; antenna height reduced 44' to 418' AAT/145' AG/1076' ASL.

NY Plattsburgh; WCFE-TV, ch. 57; granted license to cover CP for changes; ERP raised from 762 kW max to 800 kW max; same TL; 2377' AAT/414' AG/3981' ASL (very conflicting with old data; 50' lower AAT; 32' lower AG; 115' lower ASL).

NC Linville; WUNE-TV, ch. 17; granted license to cover CP for changes; ERP changed from 1350 kW max/376 kW hor to 918 kW max; 1558' AAT/186' AG/4786' ASL (reduction in height of 79'); DA BT HOR.

TN Lebanon; WJFB, ch. 66; granted CP to raise ERP from 100 kW max to 250 kW max; 528' AAT/259' AG/1148' ASL (previous amended permit called for 484' AAT, so probably little change in height, if any.); same TL.

TN Houston; KHOU-TV, ch. 11; granted MP (CP recently granted, but not reported in this column) to raise antenna height about 463' to 1870' AAT/1936' AG/2008' ASL; TL 0.5 mile north of Senior Road, near Mustang Bayou, 6.9 miles south of Houston City boundary; coordinates 29°33'40"/95°30'04" (0.3 mile north of present TL).

CALL LETTER APPLICATIONS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
FL	64	WTNK	Destin; Emerald Coast Broadcasting
PR	60	WMEI	Arecibo; Hector Negroni Cartagena
WV	60	WEVN	Martinsburg; Ralph D. Albertazzie

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
FL	63	WAJX-TV	Palatka; Palatka Television Inc.
TN	8	WKXT-TV	Knoxville; Knoxville Channel 8 Ltd. Partnership
VA	14	WTMN	Arlington; Urban Telcommunications Corp.
WI	52	WWRS	Mayville; Pacer Television Company

CALL LETTER GRANTS: EXISTING STATIONS

ST	CH	CALLS	CITY/APPLICANT
CT	43	WHAI-TV	Bridgeport; WBCT
FL	8	WFLA-TV	Tampa; WXFL
NM	14	KGSW-TV	Albuquerque; KGSW
NC	36	WPCQ-TV	Charlotte; WPCQ

MARCH, 1989

**NEW STATIONS
ON THE AIR**

AR Pine Bluff; KVTN, ch. 25-, went on the air 12/1/1988; 4368 kw max ERP; 596' AAT/594' AG/820' ASL; TL south side of State Route 161, 4.5 miles west of England; coordinates 34°31'52"S/92°02'42"; independent station; address: Agape Church Inc., 701 Napa Valley Drive, Little Rock AR 72211.

CA Bakersfield; KDOB-TV, ch. 45+, went on the air 12/1/1988; 5000 kw max ERP; 1325' AAT/144' AG/3665' ASL; TL Mt. Adelaide, approximately 15 miles ENE of Bakersfield; coordinates 35°26'20"S/118°44'24"; independent station; address: KDOB-TV, Box 5276, Bakersfield CA 93388. Station was originally intended for ch. 48, but channel was changed by a recent MP.

CO Denver; KTVB, ch. 20z, went on the air 12/1/1988; 3148 kw max ERP; 1256' AAT/241' AG/7927' ASL; TL approximately 13 miles ENE of Idledale, Jefferson County; coordinates 39°40'18"S/105°13'12"; address: Twenver, Inc., 11203 E. Peakview Avenue, Englewood CO 80111.

FL Clermont; WKCF, ch. 68z, seen testing by John Coombs on 12/14/1988; 5000 kw max ERP; 1683' AAT/1662' AG/1716' ASL; TL 1.3 mile west of the intersection of highways 17, 92 and Miller Road, near Orange City; coordinates 28°55'16"S/81°19'09"; independent station; current address not yet available.

MI Mount Clemens; WADL, ch. 38+, is scheduled to sign on in February, 1989.

ND Jamestown; KNRR, ch. 7-, went on the air 10/7/1988; 316 kw max ERP; 442.9' AAT/449.5' AG/1935.7' ASL (antenna heights from recent application, not yet granted); TL 2.5 miles NW of Fort Seward Historic Site, Jamestown; coordinates 46°55'25"S/98°46'20"; FBC affiliate, satellite of KVRR, ch. 15, Fargo ND; address: Red River Broadcasting Corporation, 4015 9th Avenue SW, Box 2801, Fargo ND 58108.

TN Knoxville; WKXT-TV, ch. 8z, went on the air in early December, 1988; 316 kw max ERP; 1272' AAT/1034' AG/2292' ASL; TL 0.2 mile NE of Sharp's Ridge Memorial Park Road, Knoxville; coordinates 36°00'35.9"S/83°55'56.5"; CBS affiliate; This station replaces WTVK, ch. 26, also owned by South Central Communications Corp., who turned in its license when WKXT-TV signed on.

WI Milwaukee; WDJT-TV, ch. 58z, went on the air Nov., 1988; 2800 kw max ERP; 535' AAT/630' AG/1230' ASL; TL 505 E. Capitol Drive, Milwaukee; coordinates 43°05'15"S/87°54'12"; independent station; address: TV 58 Ltd. Partnership, 509 W. Wisconsin Avenue, Milwaukee WI 53203.

**CHANGES IN THE
TABLE OF CHANNEL
ASSIGNMENTS**

FL Tallahassee: add 24z
GA Cochran: delete *15z; add *29+ (by request of Georgia Public Telecommunications Commission; WDCO to modify its license to specify ch. 29 instead of 15.)
MN Minneapolis-St. Paul: change offset from 4z to 4+ (WCCO-TV was ordered by the FCC to

change its offset to accomodate new channel 4 assignment in Crandon WI).

NV Goldfield: delete 2z; add 7z (requested by KVTV, ch. 2, Reno, to allow it to relocate its transmitter from Red Peak to McClellan Peak). WI: Crandon: add 4z.

**CONSOLIDATED
HEARINGS**

AL Tuskegee; ch. 22; Hefty Communications Ltd.; Tuskegee Television; Tuskegee Associates; Tuskegee Communications Inc.

AZ Phoenix; ch. 61; Compass Rose Communications Corporation; Sun World Communications; Channel 61 Partners Ltd.; Maricopa Community Television Project; Brooks Broadcasting.

CA Vallejo; KPST-TV, ch. 66; consolidated hearing between Pan Pacific Television Inc. (licensee), Stockholders of Pan Pacific Television (transferees of licensee), and Silver King Broadcasting of Northern California (transferees).

PR Yauco; ch. 42; Yauco Television Broadcasting; Maranatha Christian Network.

FORUM

The mystery of that AVN channel 53 in the New Jersey area has come to an end. The Philadelphia edition of TV Guide includes this note in its channel listing: "WHSP, Ch. 65 in Vineland, and WMAC, Ch. 53 in Atlantic City, carry shop-at-home programs seven days a week." Also in South Jersey, WOBAC in Hammonton is now programming sports as it had promised, and identifies as WOAC.

And now for the mail, starting in the Northeast with BOB SEAMAN (Hazleton PA), who writes on WBRE, ch. 28 in Wilkes-Barre PA: "WBRE's tower was knocked down by high winds and a heavy ice storm on Sunday, January 8 '89 sometime before the station tried to sign on that morning. They were off the air for a few days. Apparently they are now broadcasting from a transmitter on top of their transmitter building with a reported power of 30 kilowatts. They were supposed to raise their power to 60 kilowatts and have a 200 foot tower installed by Super Bowl Sunday, but I never saw any improvement in their signal here, which is only about 18 miles from their transmitter site. Unconfirmed reports have stated that their new transmitter and tower will not be in place until sometime in the spring of '89." "They are sending their signal to a number of cable companies via microwave."

HARRY HAYES (Wilkes-Barre PA) sent an article from the 1/9 Wilkes-Barre Citizens' Voice on the incident. A photograph of the tower's remains somewhat resembles a plate of spaghetti. Additional information is given in this article: "Several programming maneuvers were made in which WYOU, Channel 22, aired the game for its competitor station and Service Electric picked up the feed from KYW, the Philadelphia NBC affiliate, which carried the game." "Station officials said that this was the first time in its 35 years of broadcasting that WBRE had been off the air for an extended period of time. Even during the Agnes Flood of 1972 when the WBRE studios in downtown Wilkes-Barre received several feet of water, the station was able to microwave a signal

from Penobscot back to the station and air network and local programming."

TOM YINGLING (Dundalk MD) reports that LPTV station W42AJ in Washington DC is broadcasting Spanish programs, and is affiliated with Telemundo.

MIKE WIMER (Woodbridge VA) comments on his mistaken logging of WGGF-55 in Lebanon. "It was WLIG-55 (Riverhead) and not WGGF-55 (Lebanon). That logging was an error on my part and should have been a 'tentative'. (I wasn't aware that WGGF-55 wasn't on.) John Combs wrote in 'Lebanon,' in my report (Jan '89 VUD)." Mike also asks, "Any word on WVRN-63 (Richmond, VA)? I haven't seen them since around Sept. or Oct. 1988." All I know is that they went off the air. I don't know why, or when the station expects to come back on.

LARRY FUSS (Opelika AL) sent an article that explains the station change in Knoxville: From the 1/9 Television/Radio Age: "It ain't easy. But if you're in the rare right market and you're patient enough to wait around for seven years like the people at Tennessee Telecorp and South Central Communications did, maybe you, too, can turn your UHF station in for a V the way they did in Knoxville. The result is WKXT-TV, the CBS affiliate now on Channel 8, and conversion of Knoxville from a two VHF-two UHF market to one with three Vs and one U.

Earl R. Taylor, WKXT sales manager and program director, explains that Knoxville is one of only four VHF drop-in markets the FCC authorized back in 1981, and the situation has been in litigation ever since, sorting things out from among 13 applicants for the then newly available Channel 8. One of the 13 applicants was South Central Communications, owner of WTKV-TV Channel 26, which had been Knoxville's CBS carrier. Another was Taylor's group, Tennessee Telecorp.

"After six years, Tennessee Telecorp finally got the nod, based on such FCC criteria as diversification (Tennessee owned no other TV, radio station or newspapers in the market), integration of ownership and management (Taylor and his colleagues are working full time for WKXT), a commitment to local broadcast news, and a letter of credit showing sufficient financial backing to operate the station.

"But even the initial decision by an administrative law judge awarding Channel 8 to Tennessee Telecorp wasn't the end of it — only the beginning of the end. South Central appealed. Then, says Taylor, almost two years was spent arranging a settlement. This involved the merger of Tennessee Telecorp with South Central and paying off the other remaining applicants to compensate them for out-of-pocket expenses incurred in contesting the winning applicants.

"Finally in early December, Channel 8 hit the air, Channel 26 bowed out, and its license was turned back to the FCC for another round of grinding litigation concerned with regranting of the license. Now Taylor says, 'Our new Channel 8 signal will be second to none in our service area. Our new VHF signal, combined with 316,000 vertical watts and 316,000 horizontal watts of transmission power means more homes than ever before will get clear, sharp reception.'

DAVID MOODY (West Portsmouth OH) (Remember that he works at WPBO-42, which shares facilities with WUXA-30) writes in a letter (somewhat edited and shortened) dated 1/18, "WUNA-TV 30 has stopped broadcasting as of January 2. The end began on December 29th. A man from central Florida came to the TV 42 and 30 complex at about 3 p.m. He told the people at TV30 he

had purchased the transmitter from MEYCOM INC. and was taking it back to Florida. At this time my boss ... informed the OHIO STATE UNIVERSITY of the situation, they told him not to let the transmitter out of the building. My boss told the man he could not take anything from the building. The man ... told my boss he was taking the transmitter with or without his permission.

"At this time my boss called the sheriff. The deputy sheriff arrived shortly and listened to each side of the argument. The deputy decided from the paper work to let the Florida man take the transmitter. My boss informed Ohio State of the outcome. They said they would turn the matter over to the lawyer. My boss told the channel 30 personnel that at the end of the day the door to their master control and transmitter would be padlocked and would not be reopened until further notice.

"At the end of the day my boss called and said not to padlock the room. Also two channel 30 employees stayed the night to insure we did not lock them out. On December 30 at midnight my boss and I were on duty. At this time the night operator at channel 30 went home for the night. My boss said nothing had changed and since the building was vacant of people, he was going to padlock all the doors with OSU padlocks.

"On the morning of December 31 ... WPBO engineer was informed by the University to let the WUXA personnel in. Things went fairly smooth for the next few days. Then at the end of January 2 the transmitter was shut down for the last time. The next morning the doors were padlocked.

"On January 4 ... the power to channel 30's TX room was shut off due to failure to pay its bill of about \$7000. Rent is owed to the University of about \$12,000. Several other merchants have come around and telephoned asking about payment of bills for WUXA.

"I talked to the master control operator for WUXA. He said the general manager is still looking for someone to buy WUXA."

"On another subject, Dave writes, "On January 9 a new channel 21, Trinity Broadcasting Network, put on a low power television station, taking the feed from satellite." And lastly, "If anyone has any questions about AM, FM or TV broadcasting in Portsmouth, Ohio area feel free to write ... David Moody, 2909 Euclid Avenue, West Portsmouth, Ohio 45662."

First time reporter JAMES NAHIRNIAK (Warren MI) reports, "Global Channel 22 Cottam Ont. is back on the air (I first noticed it here 1-11-89). Signal here in Warren, just north of the Detroit City limits, is much weaker than they were a few years ago when the Global stations first went on the air. Back then you could get a decent picture with a loop antenna on the back of the set.... In those days they would black out American programs on both 22-Cottam and 29-Oil Springs/Sarnia, since the Detroit stations had rights to the shows. They would run a simple visual message telling when they would be back on. 29-Oil Springs/Sarnia no longer does this, and it could be that the weak signal on 22-Cottam will allow them to avoid blackouts."

"I finally talked to someone ... about WADL-38 Mt. Clemens MI. They will begin broadcasting in February, and confirmed 5 million watts. He wouldn't be specific about programming. When I asked if they would be all home shopping, he didn't say no, but said there would be a mix of programs, a little of everything.' Oh boy! What do you think, home shopping plus an occasional

interview program and public domain movie?" (Do you have some reason for suspecting a shopping program? New stations don't often divulge their programming plans because they need a head start in bidding for them if they are to compete with already established stations.)

Their transmitter and studios are located at 22590 Fifteen Mile Road, Clinton Township (mailing address is Mt. Clemens MI 48043) Phone 313-790-3838. That is 3 miles due south of downtown Mt. Clemens, about 18 miles ENE of the other Detroit TV stations (virtually nobody's TV antennas will be aimed correctly), and about 2 miles from Lake St. Clair and Canada."

RON PURDUE (Byron MN) updates the television situation in his area: "On March 1, 1989, the new Minnesota Independent TV network will go into operation. The flagship station will be KTMA-23 in Minneapolis (soon will get new call letters) along with KXLT-47 in Rochester, KXLI-41 in St. Cloud, MN, and along with Red River Broadcasting.

"KXLI and KXLT are currently off the air since Dec. 9th to prepare to join MIN. KXLI xatx will be moved from Big Lake, MN to near Sauk Centre, MN and will return to the air by fall, 1989."

The second item is about WLAX-TV channel 25 in LaCrosse, WI. On January 14, 1989, WLAX will become a new affiliate of the Fox network. I have seen the announcement today on the station. Still no sign of WEUX-48 in Chippewa Falls, WI since KXLT is temporary off the air."

Also in Wisconsin is **MICHAEL PARKS** (Avery WI), who gives a different picture of KXLI: "On December 14, KXLI announced that at the end of that broadcast day their operations would be suspended. It was so sudden that even the employees didn't know about it until they reported for work that day. KXLI's owner, L.E.O. Broadcasting, is merging with KTMA Acquisition Corp., which owns KTMA-23, Minneapolis, and the Red River Broadcast Corp., which owns KVRR-15, Fargo, its satellites and several LPTV's." Except for that fact that the stations are no longer owned by L.E.O. or Mr. Goin, but rather by Helcom Inc., there is very likely truth to the rest of his report. Going back to the article from John Ebeling last month, I now see that Wednesday, Dec. 14, the day KXLI shut down, was the same day the press conference announced the new network of independents.

Apparently KVRR and its satellites are not going to be included in the network, only Red River's LPTV stations in Beaudette, Grand Rapids, Brainerd and St. James. I show Red River as owning K26AC, Beaudette, both K18AI and a CP for K14AM, Grand Rapids, and K54AT, Brainerd, but don't know what station they could be talking about in St. James." (Must be an LPTV, since there is no application for ch. 32; the application by Hubbard Broadcasting was dismissed by the FCC. Did they take over K42AV?) "They also propose leasing translators in Alexandria and Donnelly, building LPTV's in Austin and Park Rapids (where Red River already has a CP for K05IV) and moving KXLI's transmitter to Sauk Centre which requires moving to channel 19 to avoid short-spacing to KSAX-42. They want to move KXLI to Sauk Centre to eliminate the considerable overlap between KXLI and KTMA-TV's

coverage areas, but it seems to me that in changing to channel 19 they are asking for trouble as they'll be opening the door to competing applications." (That might be a risk, but runs of competing applications are usually the result of either creating a new channel assignment, or scrambling for the last available vacant channel in a city. Neither is the case here, since 41 will replace 19 as the vacant channel. Remember that this channel had been vacant for several decades.) K19BG, a TBN station in St. Cloud whose existence is threatened by the change, will either have to apply for the channel themselves or change channels and, given TBN's aggressiveness, I don't see them just giving up and going dark." (I think TBN has reached its limit of full-service commercial broadcast stations, and will probably switch to another channel.) "I also wonder if they'll be able to provide city grade coverage to St. Cloud from Sauk Centre. They hope to have the two new LPTV's and KXLI's new facilities built and on line by this fall with KXLT and the other stations relaying KTMA-TV as soon as March 1st. They seem certain they'll get FCC approval for all this, but even if they don't, KXLI won't be back."

Other areas of comment by Michael: "After testing for four months, K13UT, Minneapolis, had their first official broadcast day on October 10 and an article about it in the Star Tribune had some 'facts' we DXers apparently didn't know; LPTV stations have signals as strong as full-power stations, but they don't travel as far, nor do they have call letters! Not only does K13UT indeed have call letters, but the last time I saw them they were actually using them. Their ID slide, which is usually shown at sporadic times rather than on the hour, also identifies four other Channel America affiliates that supposedly went on line the same day: K07TV, St. Louis, W14AE and W18AL, Syracuse, NY (two in the same city? W18AL is listed as 21.17 kW at 330° AG), and W55AT, Huntington, WV. Channel America is a new network designed primarily for LPTV stations whose programming consists mainly of vintage movies, quiz, game and fashion shows, and a very heavy diet of 30 and 60 minute commercials. About 130 more low-power stations are scheduled to begin carrying the network's 24-hour schedule by the end of June. The network claims to be highly responsive to viewers and solicits letters expressing suggestions for programming. Maybe we should all request a DXing quiz show."

"As if all the home shopping programs barging their way into your home through your TV weren't enough, local TV stations are now running an ad for the Telephone Value Network. You get to pay \$2 the first minute and 45 cents each additional minute for the privilege of listening to such rigmarole. I don't know how long they expect that to last. By the time you pay your phone bill, that \$300 gold necklace that you bought for \$100 is going to cost you \$600. What's next? NWS stations drop the weather in favor of the Rusty Antenna Value Network?" (Now that camcorders are within the grasp of households, I can see a revolution in yard sales. Picture a yard sale, with a television in the midst running a videotape recording of a homemade

"yardsale club." About a year ago I ran a few ideas for TV marketing and asked for more suggestions, but none came. I think I suggested a gas pump channel at service stations, and a grocery channel at supermarkets.)

"Also I have further information concerning some of the items Ronald Purdue brought up in your December column. Regarding KITN-29 applying to the FCC for a channel 27 translator in Rochester: Ron may have gotten that from one of those unreliable newspaper articles. There is already a CP for that channel in Rochester; K27BQ was granted to CRJ, Inc. of Golden Valley, MN at least a year ago so KITV is probably trying to lease the station for use as a translator once it is built. If you think KITV calling themselves 'Minnesota's Super Station' is dishonest advertising, try KMSP-9. Within a week of KITV adopting the aforementioned slogan, KMSP-TV began adding 'The real superstation' to their promos and newspaper/TV Guide ads.

"Speaking of dishonest, for a station that plans to be Christian oriented, KVBM-45 is either deliberately trying to mislead the public or else they're very forgetful. They keep insisting they will be the Twin Cities' first full-power Christian TV station as if the actual first one, WFBT-29 (now KITN) never existed. The original KVBM-TV CP showed an antenna site in downtown Minneapolis, but they apparently never intended to use it. After being denied the Shoreview towers as a site, they tried for Oakdale, a relatively rural city east of St. Paul which would have placed them closer to here than the Shoreview towers, but they were denied that too. In your November column, you show KVBM-TV applying for a change to 94.8 kW at 863° AAT so I wonder if they finally found a site. What coordinates did they apply for this time? The 772.5' Norwest Center was just completed so maybe they're back to downtown Minneapolis." (The application called for the IDS Building, 44°58'34"/93°16'20". It's common practice for applicants to submit an application with temporary data, knowing that they have additional time to amend their applications before the FCC makes a decision on it.)

Also in November, you show WEUX-48, Chippewa Falls, WI, applying for a change to 398 kW at 1076° AAT. What coordinates is the new tower site at? I suspect they plan to build it closer to WQOW-18 or WHNC-28's site." (The proposed coordinates, 44°57'34"/91°40'02", put it within a few hundred feet of WQOW-18, about 15 miles west of Chippewa Falls, between Colfax and Albertville.) "Again I don't think they ever intended to build it where the original CP indicated. Family Group Limited, the grantee, seems to be pretty good at getting their CP's on the air, so chances are good that WEUX will be also."

"I agree with Ron concerning an independent station in Duluth. The only full-power CP left is KRBR-21 and it's beginning to look like they aren't going to make it as their CP is almost two years old and, as far as I know, they haven't even started construction. I also know of no one applying for channel 38 in Walker, MN. As for WVCY-43 in Tomah, WI, wasn't that CP cancelled quite some time ago? I can no longer

find any official references to it." (I have no record yet of it being cancelled. Around 1983 the permit was taken over by Wisconsin Voice of Christian Youth, which operates WSCO-14 in Suring WI and WVCY-30 in Milwaukee. So evidently the station was given an extension.)

Still in Wisconsin, we come to **NATHANIEL ELY** (Madison WI), who sent in an article on LPTV station W58BD from the 1/5 *Wisconsin State Journal* "Madison's newest television station, W58BD/Ch.5 (sic), went off the air this week after a disgruntled co-owner showed up, took his satellite dishes and went home. The station shut down Tuesday when Warren Cave, the station's co-owner from Sarasota, Fla., arrived in Madison to remove his equipment which included the two satellite dishes that transmitted the broadcasts, said Steve Olson, the station's manager. (I wonder if this is the same guy that took the WUXA-30 transmitter! -wbf) Olson said Cave took the equipment when negotiations between him and the station's other owner, Dan Dobrowolski, broke down. Olson said Dobrowolski planned to purchase the station from Cave. 'The station is inoperable without the equipment,' Olson said."

"When Warren said he would take the equipment, Dobrowolski made the decision to start Channel 54," Olson said. The new station, WSSM/Ch.54 will go on the air sometime in February, Olson said. "Right now, there is no Channel 5," Olson said. "There is a license to operate the station, but not enough equipment." Ch. 5 began broadcasting in December, 1987. A low-power station, W58BD broadcast within a 20-mile radius of its station and transmitting tower at 6115 Odana Road, and on cable Ch. 25. Marilyn Friday, the station's program director, said much of the programming on Dobrowolski's new station, Ch.54, will be the same. The station plans to switch its current schedule, heavy on sports and movies, to Ch. 54. This changeover had earlier been described by management as part of a planned maintenance program which put the station off the air. The loss of equipment will not affect programming on the new Ch. 54, Friday said." Note comments, "Why does Mr. Dobrowolski think he can get on the air this easily (or is the FCC so deregulated that they just pass out construction permits on request?)" (There is no channel 54 assignment, and I never heard of WSSM. Could he be talking about a cable channel? -wbf)

RON WING (Wichita KS) sent in a clipping from the 1/3 *Lecter Standard*. This is actually a letter to the editor from the chief engineer of KSWS, ch. 3, Lakin KS. It's an update on the construction of KSWS. "Time for an update on the Public Television for Southwest Kansas project. Since the last newsletter in October, the microwave equipment has all been installed; however an interference problem was discovered at the Belpre site where we begin to diplex with the existing KTVC (ch. 6, Ensign KS -wbf) microwave system. Our transmitter was interfering with their receiver, so we had to send our units back for retuning by Harris Corp." "We have noticed some other intermittent interference showing up at the Lakin site, but to date have been unable to find the source."

"Tower construction at the Lakin site was completed in October 30th." "The transmitter

equipment is approximately 60% installed." "As soon as we get everyone back after the holidays, transmitter installation will resume. I estimate three weeks of work. Proof of Performance to take another one to two weeks. After that, the next major installation will be the remote control system, estimating three weeks for its installation." "As you may have noticed, this schedule puts us past the original February 1 date. With the remaining work in mind, I am now estimating a March 15th date of probable On-The-Air. Again, this is much dependent on the weather and somewhat to shipping schedules of the microwave units being returned."

Out to the west coast with **JIM PIZZI** (Paso Robles CA), who sent in a few newspaper articles. From the 12/31/88 *Telegram-Tribune*: "San Luis Obispo County will lose its only Spanish-language TV station January 20. Riklis Broadcasting, whose holdings include television stations nationwide, has agreed to pay in excess of \$1 million to *Sainte Limited* for KOUF Channel 9 in San Luis Obispo and KOTA Channel 7 in Santa Maria, said John Huddy, president of Riklis Broadcasting. Among other things, the deal means that Spanish-language station KOTA will be replaced with English-language programming broadcast by Riklis' Oxnard television station, KADY, Huddy said." "KOUF and KOTA's programming is scheduled to be replaced Jan. 20 by programming from KADY-TV, Huddy said. The new programming from KADY will include regional sports, public affairs, entertainment and national and local news. Huddy said the two stations will broadcast KADY's programming from 7 a.m. to 2 p.m. seven days a week."

The 1/6 *News-Press* reports on more stations that will carry KADY: "Santa Maria's Spanish-language television station, KOTTA, is going to become part of the Central Coast's first independent 'super station' and drop most Spanish programming, station officials said Thursday. The station — on the air as Channel 7 in Santa Maria since Oct. 1, 1986 — is being sold by *Sainte Ltd.* in Modesto to Riklis Broadcasting in Beverly Hills for more than \$1 million, said John Huddy, president of KADY, a Riklis-owned independent station in Oxnard. KOTTA and its unsanned transmitter station in Morro Bay, KOUF, will air the same programs that KADY transmits, and hopes to make the change on Jan. 20, Huddy said."

The 12/16/88 *Los Angeles Times* gives a review of the growth of Trinity Broadcasting Network: "When Phil and Jan Crouch started Trinity Broadcasting in Santa Ana in 1973, they had no idea that the then-tiny Christian network would someday stretch nationwide. But in the intervening 15 years it has done that and more. Today it is an international network, with stations in South Africa, the Caribbean, Europe and Central America."

"About two years ago we bought Johnny Carson's station in Albuquerque, Channel 23," Paul Crouch said. "I had never really known what the audience of Trinity was because we don't subscribe to Nielsen or Arbitron or any of the ratings services. We don't sell commercial time, so we don't really need to know what our audience is, but Carson had the whole library (of

television ratings -wbf) over there, so I looked us up. I was shocked. It showed me that 20 million Americans watch at least one hour of Trinity Broadcasting Network a week. I knew we had a pretty good audience out there but I had no idea it was that size."

"TBN has 140 stations in the United States and 10 in foreign countries. With an additional 8% million cable subscribers in the United States, TBN has access to 'about 70% of U.S. households,' he added."

"Trinity produces about 85% of its programming. The other 15% is produced by various ministries and Christian organizations on a cost-sharing basis. All programming is supported by gifts, or donations, from viewers."

"What has Crouch most excited, however, is the way the foreign stations have opened up. The first was on the Caribbean island of Nevis-St. Christopher. (A 10-million watt station, Crouch calls it 'the most powerful in the Western Hemisphere.') The 'big breakthrough' came in the Ciskei homeland of South Africa in 1986, Crouch said. Although Ciskei is considered by some to be a sovereign nation, the Republic of South Africa controls its airwaves. Despite its skepticism, the Republic of South Africa did issue a permit to build a 1-million watt station in Ciskei. Recently, South African President P.W. Botha authorized the South African Broadcasting Company to establish a complete Christian network where TBN will have an allotted portion of time, Crouch said.

"In June, TBN began a 15-minute-a-week broadcast on the single network in the People's Republic of China, where the signal reaches an estimated 600 million viewers."

Lastly is our only Canadian contributor for this month, **J.J. ROSENBERG** (Richmond Hill, Ont.) "I have recently QSL'd CKNV-2, Manitoba providing info which differs from the *TV Data Base*. The letterhead states 'CKND-2/Westman'. The ERP is 100 kw & EHAAAT 1300 ft. The transmitter is located 30 mi north of Brandon which puts it in the Minnedosa-Basswood area. The term 'Westman' must refer to Western Manitoba because an atlas shows no town of such name."

"I have also obtained a master list of stations from TVOntario including the mystery spotted by Dave Nieman (VUD Jan/89). Here are the newer repeaters on air:

LOCATION	CH	ERP	AIR DATE
Tobermory	49	50 watts	June 21/88
McArthur Mills	42	63.76 kw	Oct. 14/88
Clyone	55	57.18 kw	Oct. 31/88
"McArthur Mills is 18 mi. east of Bancroft. Clyone is 45 mi. SE of Bancroft, 55 mi. N of Deseronto			
NEW STATION TARGET DATES:			
Hawkesbury	48	6.65 kw	Mar. 1/89
Kenora	44	58.21 kw	summer/89
La Chaine Francaise (TVO French)			
Hawkesbury	39	6.65 kw	Mar. 1/89
Sudbury	25	164.4 kw	spring/89

"There are 188 TVOntario LPRT's with xstr of 5-20 watts in Northern Ont., maintained by TVO crews working out of Sudbury or Thunder Bay. Approx. 30 are on Indian reservations.

"Some ERP's on the TVO master list differ from the 'Data Base' e.g. Ottawa - 879 kw. "Question: If ch.26 Jamestown came on air in Sept, why haven't any of the Buffalo boys reported it?"

ICC FM NEWS

Bruce F. Elving, Ph.D., Editor
241 Anderson Road
Esko MN 55733-9413

Contributions welcome!

special phone # to call for listener suggestions "for a better radio station. WNEW-FM 102.7 sound quality excellent! Better than WXKR, which has an uneven sound quality. Best sound quality for pirate radio is 'KPRC' 91.5 (Brooklyn, I think). Signal weak... WEBE ('The Hits of a whole generation, Wee Bee 108 FM') 107.9 CT was off for quite a while, mentioning later



Kelly Miner, 17, on WSHJ

transmitter and antenna problems. Picked up some decent DX while they were off. WHUD 100.7 Peekskill and WCBS-FM 101.1 New York city both use Ed Baer as a dj. This is the only place where I have ever heard two stations near each other on the dial in roughly the same area to use the same dj/announcer! But Ed Baer's mainstay is WHUD. WHUD, of course, is 'B'. Bill suggested I use both km and miles in the next edition FM Atlas. I cannot do that because space is at a premium, and I am committed to the metric system, and do not encourage readers to convert. Just use the data as given, and there will be no confusion! He also sent several revised program format codes, some of which would take up to three characters to list (e.g., MOD=modern/new wave, XVR=crossover, VAR=variety, URB=urban contemporary, etc.). I still like the present way, which permits the use of only one letter or as many as two letters to describe a station with two different formats, or one that may have a hybrid, incorporating elements of two main formats. Howard Stern is on local radio five days a week not four, as I said in the January column. "WMSC 101.5 Montclair (not 'Upper Montclair,' or has 'Upper Montclair' become part of Montclair? My newest NJ road atlas no longer shows an 'Upper Montclair--b.e.') still leaves its carrier on even for days at a time when they are not broadcasting!"

Bill then goes on to propose a way to save AM ("antique modulation"). "Get rid of AM the way it is totally. One only stereo system! My proposed changes: Class 1) 10,000 watts 540-900 kHz; Class 2) 5000 watts 910-1200 kHz; Class 3), 2500 watts 1210-1400 kHz; Class 4) 1000 watts 1410-1800 kHz," with certain distance separations specified. "No directional antennas, 24 hour operations, no lower night power. Translators only allowed up to 50 watts 1410-1800 kHz. Relaxed programming requirements for 1000-watters, 2500 watts permitted to rebroadcast FM out of market area; 5000 watters and 10,000 watters for larger cities. By dividing up frequencies with powers, everything should be more orderly. All stations will be staggered and allocated like FM is, so wherever you travel, even at night, things should sound much better. Sixteen hundred to 1800 kHz should be reserved for noncommercial broadcasting college band. What do you think?" [It won't work--too radical, unless a plan like this is allowed to come about after almost the last AM station has been deleted.]

"May I assume no one IDed Barry Goldwater's picture as the 'mystery' DXer-ham?" writes Gus Mancuso. "DX radio program on 1-7-89 turned out to be mostly a shortwave discussion—is anyone surprised? Host said show is biannual, not yearly. Hope time for summer show is listed. How come you published details of Phila. (I guess—can't read the writing here) oldies war last year, but not Baltimore information submitted by me?"

Alain Pepin "finally computerized and cross-indexed my cassettes by state, province and country. I have 386 stations on tape (many recorded several times) from New York state alone, 199 for Michigan (just examples)." The information has been

FCC-FM**Ohio's WBRY Expands into Fort Wayne market**

abstracted below in various places, mostly under formats and nonIDs. I would like him, or anybody else, to tell me if WSSV 101.3 Stillwater NY is stereo or not. And he says WKOL 97.7 Amsterdam now IDs with Albany, which I find hard to believe—an extreme, rim-shotter! I wonder how well it comes in in Albany? B formats (beautiful music) seem to exist on 10YR 104.0 Hindale NH and WHGC 94.3 Bennington VT, which surprised me. Alan says "I will have an article in the April DX Messenger; a comparative test of headphones under water. Impractical I guess for WFTDA, since VHF disappears altogether one meter from the surface! See, there's an advantage of AM you might not have considered! Hi!"

Wendell Ford was one of the first to hear Fort Wayne's "new" station, WBRY 98.9 (Van Wert OH). "The Bear 98.9." They played "9,890 songs in a row!" John Jefferson sent a KSOAR Ashland translator map and translator data from the Metropolitan Open station list, all of which he and I checked over for discrepancies with my main list. Jim Pizzi sent L. A. station ratings, showing KPWR 105.9 tops, followed by KIIS-FM 102.7, KOST 103.5, and KABC AM, which had been first, in fourth place. Groveling near the bottom are KJLH 102.3, KMPK A+, and KNST FM 105.5.

Ken Onyschuk rejoined the WFTDA, and for a while he had no VUCs to look at. Carol ran off some photocopies for him of my column. We're glad he's back, and reading this column. Ken Simon sent lots of station news, including word of FL FM pirate activity (see scatterer below). "Was in Coral Gables and drove back to West Palm Beach. WVUM 90.5 fades for good at downtown Miami, about 18 km. (Hurting them, Ken, is the fact that they don't have vertical—they're only horizontal polarized—b.e.) In Stuart FL, 90.3 translator is as strong as the 89.3 signal from Boynton Beach. Oh yeah, WJOYCB 1 is almost a local here—just what I need. Where are the classical stations?" [I wonder if you don't mean WJS 88.1 Bradenton—b.e.]

Ralph Strobel heard on 98.7 by m-s a "K-Rock," and he wonders what station that might be. "What you stated regarding 90.7 WFUV is accurate in last month's FMedial. In the late '70s on m-s on 90.7 brought me . . . in the Bronx, New York city, WFUV . . . (on the hour). This was before Lima OH, WGLE, came on the air."

Joe Fela sends more about WEDE 107.9 W-WFCT, CT being off, saying they were off for about 11 days. Some of the time may have been on with low power, but he was unable to pick them up then. WEGX 106.1 Philly now No. 1 in ratings, with the help of its Eagle 106 mascot or non-ID.

"I think that the way I was quoted in the December VUD makes it unclear what the real problem with the Kenwood RZ-1 really is," writes Larry Weil. "The problem I reported is due to severe overload when anywhere within approximately 16 km of any broadcast transmitter. It is not due to any lack of sensitivity by the receiver, which is what someone reading that quote may have been led to believe. Perhaps you should print a clarification so that no one will be misled." He reported a good Es opening in early November. Larry sent an article on "KBC,"

on the SCA of WQXR-FM 96.3, the Korean Broadcasting Corp., which appeared in the "Daily News."

Northern Essex Community College, Lawrence MA, would like to convert its closed-circuit radio station to over the air radio. Article does not say, but I suspect they are eyeing an FM frequency, probably with Ed Perry's help. He's a consultant who has found several FM channels for student stations in the northeast. Finally, Larry sent a letter to the editor of the Toronto Globe and Mail saying the CBC lacks quality on its FM network, and how they seldom hear complete works by Bach or any other composer on the network. There's "an interminable bland mush of chit chat and jaunty allegro movements that has dominated CBC-FM's programming since 1977 . . . After 10 years of increasingly trivial programming, CBC-FM is still reaching only three percent of the population and, more important, is now no longer a serious cultural force. Perhaps the time has come for the new government to examine whether there's any point in continuing to pay \$50-million a year for CBC-FM, when we can hear for free from stations like CFXM in Cobourg or KING-FM in Seattle the quality music programs that CBC-FM was originally set up to provide," writes Jon O'Grady, Vancouver.

Now on to the more "official" stuff, most of which ran last month in FMedial. Some of the below is new this month, in the VUD, and look for the feature, "See Also," in which I point out FM news from the pages of last month's VUD.

New FM Station, Translator Grants

Selected translators only; others are in FMedial. AL Fremley WHTA 104.3 3000 h.v.; 100 m AZ Sedona KSED 107.5 76300 h.v.; 446 m AR Malvern 101.5 2000 h.v.; 97 m

CA Visalia "89.1 1000 h.v.; 247 m, g, Harvest Best Ctg." [letter of S. F. station

CA Walnut Creek KABL-FM 98.1 10 w boos-/CT Sharon KOTB 103.3 770 h.v.; 192 m

De Laurel 95.3 3000 h.v.; 100 m

FL Marco 92.7 3000 h.v.; 100 m, Rowland Cuff Radio, in a settlement agreement that saw the winning party buy out six applicants for \$1 million—unique because Rowland was not one of the original applicants, but an outsider who came in and made a deal.

FL Ocala "80.1 1260 h.v., 120 m, vertical only; Marion Community Radio [Waynesboro]

GA Savannah/W15AG "90.9 WYFA 102.3/ GA Valdosta "91.7 5000 h.v.; 72 m, vertical only; Public Telecom. [letter of J. Noah

IL Oregon 106.1 3000 h.v.; 100 m, Edward/

IL Polo/WLIT 107.7 1350 h.v.; 145 m, to be s, b KY Buffalo 101.5 3000 h.v.; 100 m, Larue County Bctg, between Fort Knox and Rodenberry, p. 38 FMag, FM Atles-11] [Diorion

LA Berwick 105.9 1000 h.v.; 100 m, tary/LA Breaux Bridge 96.5 3000 h.v.; 100 m, JBC

MI Traverse City WLIN-FM "83.9 19000 h.v.; 141 m, g, Good News Media, Inc., A+ in nearby township

MM Albert Lea 96.1 3000 h.v.; 100 m, R-A-L MM Blackduck 98.3 3000 h.v.; 100 m, R. Paskev

MS Bruce 94.5 3000 h.v.; 100 m, Kerr W. Hill

MO Cameron 92.3 3000 h.v.; 100 m

MO Mount Vernon 106.7 3000 h.v.; 100 m

MO Taos 99.3 3000 h.v.; 185 m [Encino U.

NY Malone WSLO "90.9 2000 h.v.; 101 m, St. Lawr./

NY Vestal 103.3 4100 h.v.; 259 m

OH Troy 96.9 3000 h.v.; 100 m, [Cleveland]

OH Warren W211AG "90.1 WCRF 103.3/

March, 1989

OH West Carrollton 92.1 3000 h.v.; 100 m, initial decision, subject to reversal
OR Roseburg "91.5 2000 h.v.; 93 m, State of OR, Bd. of Ed. (K21988 "91.7 change frequency or go off the air)

OR Sister K212AS 90.3 (KLCC 89.7 Eugene)

OR Tri-City KIRO "FM" 104.3 5800 h.v.; 422 m

PA Saltsburg (8 km NNE Jersey Shore); 95.5 3000 h.v.; 73 m

PA Abbville 92.9 3000 h.v.; 100 m, Shelley Reid

TN Spring City 93.9 700 h.v.; 198 m

TX Big Lake KWGH-FM 103.9 3000 h.v.; 58 m, (resurrection of previous grant)

TX Caldwell 95.1 3000 h.v.; 100 m

TX New Boston 103.3 3000 h.v.; 100 m

TX Waco K221DF 92.1 (KRXX 96.7 Marlin)

TX Coalville 92.5 330 h.v.; 42 m, Guthrie

WV Martin 102.0 3000 h.v.; 100 m

PR Lajas 103.7 5000 h.v.; 120 m, Ramon Rodriguez & Asoc.

PQ Riviere-du-Loup CION 103.7 6000 h.v.; 322 m, "Group IV" music format. "As a result,

CIBFM FL Riviere-du-Loup denied a change of its musical format from Group I to IV."

This grant revives former CION, which had been deleted. Is "Group IV" rock?

CANADA AB-KIB-SK Low power FM stations,

having coverage radii of 30 m, approved in

various cities, from 88.1 through 107.9, for

"pre-recorded announcements for retail mes-

sages, real estate marketing, public service

and tourism announcements," and in any

language requested. The CRTC is satisfied

such very low power stations will have a

"specific programming content, which will

reach only very small audiences," and is

different from the type of advertising carried

by conventional radio stations.

TA Reynosa 90.1, \$[stereo], call letters and

exact power (Class A) not known

Call Letters Assigned

AZ Green Valley 92.1 KQYT (KFXX), b format

AR Harrison 102.9 KWNQ (KHQZ-FM)

CA San Francisco 102.1 KDFC-FM (KDFC)

CO Denver 103.5 KRFX (KQAO), r (classic hits),

"The Fox" [new calls]

GA Albany 96.3 WJIZ "FM" (WJIZ-FM; AM)

GA Brunswick 100.7 WWHO (WGIG), A+ is in

New Boston OH, "N-101"

GA Hinesville 92.1 WXLQ (WBUL)

GA Ringgold 101.1 WSGC

IL Arlington Heights 92.7 WCBP (WSEX), rm,

cells are said to stand for "Chicago Bears

Radio" [letter of S. F. station]

IL Chicago 93.9 WLIT (WLAK), "Lite/

IL Morrison 95.1 WZT

IL Springfield "91.9 WSGU (JSR)

IN New Carlisle 102.3 WUBU (WLZP), r,

"contemporary music is a likely choice. A

mix of satellite fed and local programming

will be offered." Sign on could be as early as

April from studios at North Village Mall,

South Bend. Watch to see if it has stereo.

IA Dubuque 102.3 KDFX (KXXX), r (classic

rock), "Fox 102 FM" (not strict)

IA Le Mars 95.5 KMKM (KZLL)

KS Dodge City 93.9 KLLS (KZLL), \$[stereo]

KY Jeffersonville 101.7 WLSY (WJYL), rm,

"Sunny 101.7," ID with Louisville

KY Shelbyville 101.3 WCKP

KY Winchester 100.1 WLFX (WFMI)

MA North Dartmouth "91.1 WSMU" "FM"

(WJUSM)

MA Shaffield "91.7 WBSL" "FM" (WBSL)

MI Portage 96.5 WLWJ

MS Jackson 95.5 WOHT (WLWJ), new format—

"Hot 95.5"

MS New Albany 106.7 (from 106.3) WVMZ

(WTMX), 33100 h.v.; 183 m

MO Rolla 94.3 KOMX (KCLU)

MT Great Falls 106.1 KQDF-FM (KQDF "FM")

NE Lincoln 107.3 KEZG (KLIN-FM), "EZ-107"

[Jams]

[news]

FCC-FM

Sports Services Sometimes Prove Interesting

FL Miami WDNA "88.9" back on air with English and Creole Dec. 3, saying they were off due to cash problems; "monophonic" ME Gorham WMPG "90.9 now on with 1000 v., 110 watts h, 71 m. "Overnight, the quality of life in southern Maine radically improved. At long last—a respectable alternative radio station for Portland!... Of particular note on WMPG is 'Dad's New Stacks', a show assembled by Michaels Pajak and Townsend, on Fridays from 9 p. m. to midnight. This surrealistic, stream-of-consciousness **RADIO NORTH WATCHING** college of music old and frivolous and profound, is a mind-expanding repeat... Tune in and feed your head." In reading the Feb. FMedial I ran across mention of WMPG 90.9 now on with increased power. I immediately turned on receiver, and sure enough, there they were. I hope they go off soon. Ninety point nine is WSUR in Boston and I can no longer get them, so in proved WMPG isn't alone. With antenna pointed north, before WMPG I had no trouble listening to WMEH in Bangor, or with antenna 180° and rotated south there was WBUR. Now, neither. Gained one, lost two. WMPG playing steady mild rock, I won't be listening after this trial. As far as I am concerned FM can go along with AM. Only AM station I listen to at all is WQXR on 1650 and CBBC (Chicago) on 1580. Rest of AM is a mess. Am I the only one feeling this way? I won't listen to rock or talk, and that's all there is. I sometimes just dial AM from 540 kc to 1610 kc at night and there are less than 10 clear stations. All the rest are simply riding all over each other with nothing clear coming through."

MI Zealand WXYB "88.3, s. g. simulcast 100% with WGNR 88.9 Grand Rapids. WXYB Zealand and WGNR Grand Rapids is the legal ID. Local studios are in Zealand, with 2-3 hours per day locally originated; otherwise, it's the Moody satellite network... more religious hopping of the airwaves."

NJ Princeton Junction WMPH "107.9. Their 17 watts doesn't get out too well. Technically, the station sounded bad [with some] high school kid doing it even worse [you trying to play it]."

OK Chickasha K20BD "88.3 [95.9], s. TX Children's KSRV 96.1 having moved from/

On The Air—C or Not Yet On

CA Corcoran KLCZ 102.3
CA Kerman KTAA 94.3 (KAM2 translator in Fresno, K232AY, is still on the air)
CA Mountain View KSFN "90.5, on-and-off, maintaining a very irregular schedule
CA Philo KZYX "90.7, but hoping to be on in Feb.
CA San Jose KLEL "88.9. Off when tuned in during a weekday while reporter in area
CA Walnut Creek KCEQ "100.5 during weekday when "within 30 feet of KCEQ's tower and got a perfectly useful signal from KOPT 100.5 Sacramento."

GA Columbus W244AJ 96.7
IN Bloomfield WBHQ 101.1 (put in proper sequence, after Bedford, p. 105 FM Atlan-11)
IN Columbia City WZRO 106.3
IN Kentland WPNI 101.7
IN Michigan City WFAJ "89.5
KY Louisville WFPL "89.3 "temporarily broadcasting with 60000 watts of ERP," with no

claim of their authorized power of 100000 w NJ Franklin Lakes WRRH "88.7, "not heard for a long time—at least five years." Still licensed, hoping for a facilities' increase, which is probably made more difficult for them because of WPSL "88.7 Wayne NJ. WRHU "88.7 Hempstead NY "says they complained to the FCC about WPSL."
OH McConnelsville WTBL 100.9. One of my correspondents thinks this station may be deleted.

WA Spokane KVXO 103.9, but "temporary" BC Victoria CFCU 101.9 (still on 105.1). "CITR 101.9 Vancouver hasn't implemented its power increases."

ON Toronto CJBC-FM "90.3 heard testing recently, using only an exciter and a dipole, parallel to 880 AM. Expects full power operation and stereo by June, 1989.

Deletions

CA Copperopolis KZDO 105.5, "CP forfeited and call sign deleted"

CA Villa Park K215AK "90.9

JH Warren W218AI "91.7 (shown as 91.9 on OH map, FM Atlan-11, p. 41), because of WYPR "91.7 Youngstown O 1 coming on. Most likely, primary for W220AD "91.9 North Canton OH will change to WYTN from WFRJ 88.9 Johnston (PA)

TX Santa Fe KJIB "90.5, "Denied reinstatement of expired permit."

SCServices, 57, 67, 78, 87 92 11:12
Selected only; more are in FMedial

AK Kenai KZCP "91.9 107.67 kHz, SCA "coming soon." Station on air with \$1000 and some programming as KSKA "91.1 Anchorage

CA Livermore KKIQ 101.7 18 (mutual network relay, 67 kHz) [also TM, 67]

CA Sacramento KCTC 96.1 + "90.1" 92 11:12/
KROY 96.9 FM 92 (in addition to FM, 67)

KOPT 100.5 no 67 (had +MI), adds TM, 67

CA San Francisco KDFC 102.1 no SCA (had TX, 92) [TM, 67]

KEAR *106.9 ± TX date, 92 (in addition to/

CA Stockton KSTN-FM 107.3 92, 92 (in addition to TM, 67), main carrier still mono

CA Visalia KFSO 92.9 1C, "studio-transmitter link for KHTZ 1400 Visalia; both studios are in Fresno now, but their AM transmitter is still down in Visalia. As you guess, the KHTZ audio is bad news." Replaces TE, ethnic, 67 kHz

IL Springfield WNNS 98.7 ± TX, 67. "We're thinking of adding foreground music at 92 kHz." [and farm data]

WDBM 103.7 ± TX, IL Farm Bureau/ MN Fairbank KOCL 95.9 1S, "basketball on 67 kHz to 108—otherwise, has been quiet."

Main carrier now "Cool 96" strict non-ID heard twice every (r) song [67]

MN Minneapolis KDEM "88.5 no SCA (had TX, /

MN New Ulm KXLK 83.1 no SCA (had TX, 67)

CA St. Cloud WWJ 98.1 1S, 1T, "had Cloud

Huskies basketball on SCA. Sources say

as though it was main "network" feed, as no commercials or station breaks given (just open mike). Asked for a Dick Nelson to make phone call during one minute pause for station break. Interesting use of an SCA!"

NC Asheville WCOS "88.1 ± TX, 67; same service also heard on WCGS' translators

NC Charlotte WFAE "88.1 ± TX (talking book for the blind) moves from 67 to 92 kHz

NC Spindale WNCW "88.7 to have TX, 67; station to stop Mount Kitchell with d-a to the south and west, serving different areas from WCOS Asheville.

PA Jersey Shore WJSA-FM 93.5 using 67 kHz

only for occasional telemetry, but "we would like to use it for reading to the blind... We are also thinking of going stereo." Format, g

AM Happenings Most Likely Caused by FM (selected; more are in FMedial)

CA Los Angeles KABC AM, once No. 1, now fourth place in fall Arbitron. "With KABC's side into fourth place, the clouded future of AM radio is further muddied. Over the past decade, AM

March, 1989

FCC-FM

Richmond, Portland, Honolulu, Syracuse AMs Silent

March, 1989

claim of their authorized power of 100000 w NJ Franklin Lakes WRRH "88.7, "not heard for a long time—at least five years." Still licensed, hoping for a facilities' increase, which is probably made more difficult for them because of WPSL "88.7 Wayne NJ. WRHU "88.7 Hempstead NY "says they complained to the FCC about WPSL."

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TX Milwaukee WLUU 102.1 no SCS (had TO, Physician Radio Network, 67)

TX Lubbock KZDO 105.5 "CP forfeited and cancelled. FCC held that the permit was abandoned.

OR Portland KLVS 1230 AM. Dave Jack, owner, "shut the station down" and its all-Elvis Presley format. Future plans indefinite. Station failed to attract either audience or advertisers.

PA Philadelphia 900 back on, WURD, "The Word," with a black gospel format and new owners. "WFNL never did operate it again. They did fire up the transmitter a few times in December, but ran only an open carrier."

TN Knoxville WUTK AM 850, formerly WIVK AM.

FL Sunrise WPKX "93.5, FM "88. "WCIX-6 Miami (CBS 8 & 10) tried to squelch WYPR as an 'interferer,' but FCC said no go... Pirate license 88.5 after WYPR signs off. Newest is 'rock,' in Greenacres City FL (west of Lake Worth). Announcing telephone numbers, and reportedly has tee-sheets."

IL Aurora WYSY 107.9 107.9 digital

IN Logosette WKND 94.3 94.3-rock (sans

"94-KMO")

IN North Vernon WINN 106.1 The Winning One

MA Northampton WHPX-FM 99.3 99.3 HPM-FM

MI North Muskegon KZQD 92.3 Light 92

PA Erie KZQD 92.7 92.5 Country 92.5

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FL Sunrise WPKX "93.5, FM "88. "WCIX-6 Miami (CBS 8 & 10) tried to squelch WYPR as an 'interferer,' but FCC said no go... Pirate license 88.5 after WYPR signs off. Newest is 'rock,' in Greenacres City FL (west of Lake Worth). Announcing telephone numbers, and reportedly has tee-sheets."

IL Aurora WYSY 107.9 107.9 digital

IN Logosette WKND 94.3 94.3-rock (sans

"94-KMO")

IN North Vernon WINN 106.1 The Winning One

MA Northampton WHPX-FM 99.3 99.3 HPM-FM

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SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, MN, NV, OK, SC, TN, TX, UT, VA & WV. Also DC.

Australis reports Es there has been good. Perhaps that's a favorable sign that North American Es will be good this season. Meteor scatter was active with a couple of other reporters during December. Some Es and tr was also noted during December.

Geoff Wolfe, 40 Charlton St., Mt. Waverley, VIC, Australia 3149

Well, I had much sporadic Es this year, being a record season for me. On one day noting 42 FM Stations via Es. That's a record for Australia. We don't have many stations at all in Australia. Only have 7-8 commercial FM stations in the whole country!

New Caledonia put in some good signals on some frequencies, though not others. TV DX was also good, but that's another story. Elsewhere other DXers had virtually nothing. I had New Zealand FM for 7 days in a row. No sign of South Australia this year. Most of my FM DX is done from Bombala N.S.W.(30 miles from Victorian border). I spend most of my holidays there. '73.s.

John Jefferson, 4104 Spyglass Ct., Antioch, CA 94509

Guess I'd better finish off 1988 while I recuperate from a flu bug. There was a major storm here on Dec. 14, just too late to open up the band for the Geminids. Had to settle for a couple new xlators & some relogs. Too bad: it's the first time since the early '70's that 102.5 has been open, & the first time since 1966 that 106.5 has been relatively blank. It would've been fun at the height of the meteor activity! As it is, I've only managed a couple new ms loggings since moving here: the Perseids were a terrible disappointment; the Geminids did well, but mostly with relogs new to Antioch. Ironically, my 2nd ms catch here was an Antioch relog of an es logging, & was done with the aux tuner w/ rabbit ears!

As usual, new loggings are underlined; @ designates new to Antioch. Dashed underline indicates a new mode, # aux tuner w/ aux antenna in garage, & \$ indicates aux tuner w/ rabbit ears (used when fishing for something in the wrong direction for the aux, which lacks a rotor).

TIME	CALLS	FREQ	SI	CITY	DIST	REMARKS
9/21/88						
0128 KZDZ@	93.3	CA	San Luis Obispo	180	o/KY	
0142 KIQQ@	104.5	CA	Atascadero	180	o/KFOG	
0200 KKUS@	98.1	CA	San Luis Obispo		o/KABL	
9/29/88						
0115 KRUZ@	103.3	CA	Santa Barbara	255	KBEE off	
9/2/88						
0900 KHAP	89.1	CA	Chico	130	New to air	
10/24/88						
1030 KXNP*	103.5	NE	North Platte	1115	Local ad	
11/3/88						
2324 KQNC@	101.9	CA	Quincy	135	Returns to air	
11/12/88						
0149 CBRE	102.1	AT	Calgary	1015	CBC \$	
2204 KNIB	91.3	NV	Carson City	150	Program tests, // KNIS 94.7	
11/19/88						
0230 KXTZ	94.1	NV	Henderson	380	Calls	
11/20/88						
2016 KADV	90.5	CA	Modesto	45	Testing	
11/21/88						
0040 KOZI	95.3	CA	Ft. Bragg	140	s/off; KUIC off	
11/27/88						
2201 KJQI	98.7	CA	Los Angeles	320	ID	

SOUTHERN FM DX

Jefferson, cont.

MARCH 1989

12/11/88	MS			
0300 KGMG@	102.1	CA	Oceanside	395 102.1 San Diego
12/12/88	MS			
0205 KVNA#	97.5	AZ	Flagstaff	600 Calls, AZ wx
1230 KMMLG#	98.7	TX	Amarillo	1115 Calls
12/13/88	MS			
0435 KISW@	99.9	WA	Seattle	690 Calls
0757 KWBX?	105.7	OR	Bend	Classical
12/14/88	MS			
0315 KRKT@	99.9	OR	Albany	485 Calls
0830 KCIR	90.7	ID	Twin Falls	500 TF reference
12/24/88	SL			
0029 K296CD	107.1	CA	Salida	50 KEAR ID
	MS			
0734 KFFM@	107.3	WA	Yakima	625 Local nx
12/27/88	IR			
2029 KOSZ@	107.3	CA	Grover City	200 Cozy, GC refs
12/31/88	IR			
0029 K212AJ	90.3	CA	South Lake Tahoe	120 KEAR ID; KDVS off

The year-end totals are 238 for Antioch, 978 for the Diablo Area log, and 69 for the year (in the Diablo log). Not too shabby, even if the skip did die the day I moved here. Didn't beat my first-year Pleasanton total (263), but that included May & June. A fairer comparison of sites will be the 12-month totals, and Pleasanton's 267 will get blown away if May & June of this year are anything at all!

Keith Pugh, 227 Martin St., New Hope, AL 35760

Equip:	Onkyo T-9090, \$ Probe 9, RG-6 coax		
9/18 tr			
2028 WAFT	101.1 GA Valdosta, g, ID		12/21 Es
2/11 Es			1715 KBIM 94.9 NM Roswell, ID
1058 WKWL	90.7 MA W. Barnstable, ID, \$		1719 KDLK 94.3 TX Del Rio, ID
1059 WBJB	90.5 NJ Lincroft, ID		1721 KKIK 93.7 TX Lubbock, "KICK"
1105 WLNG	92.1 NY Sag Harbor, ads		1724 KTDR 96.3 TX Del Rio, "Power 96"
			1733 KBZB 93.9 TX El Paso
1122 CFMK	96.3 ON Kingston, call, wx		1735 KSAQ 96.1 TX San Antonio
12/12 ms			1756 KLTO 94.7 TX El Paso
1001 unID	98.7 "...298-Rock or 298-Roll..."		tr!
2112 KVNO	90.7 NE Omaha, "...is coming to Omaha Jan. 4th..."		2001 KQUS 97.5 AR Hot Springs, ID
			2018 KXSA 103.1 AR Dermott, k
12/13 ms			2038 KMLJ 107.1 MS Oxford, r, "J-107"
0024 WALK	97.5 NY Patchogue, ad, calls		2051 KQWD 95.5 MS Oxford, r, ID, \$
0025 WFST	97.5 NJ Trenton, "97-5 WPST"		2100 KBAQ 97.9 MS Greenville, b, ID
0058 WGBF	99.9 NY Plattsburgh, "B-100"		2102 WAFM 95.3 MS Amory, r, \$
0900 KUNI	90.9 IA Cedar Falls, "...Cedar Rapids-Waterloo, KUNI."		2244 WYNG 105.3 IN Evansville, ads
0954 KXLP	93.1 MN New Ulm, "...In Mankato, 33 in New Ulm."		12/22 tr
			0006 KXUS 97.3 MO Springfield, "US-97"
2136 WUSL	98.9 PA Philadelphia, "Enjoy Philly's only..."		0008 KTCG 99.9 AR Fort Smith, k, ID
2154 WBCM	98.9 FL Tallahassee, call		0035 KUDI 105.7 r, "Kiss-FM"
tr-SW			0040 KZBB 97.9 OK Poteau, "B-98"
2248 WQNT	98.9 GA Chatsworth, in from 99.3		0100 KUAR 89.1 AR Little Rock, ID
12/21 Es			12/23 tr
1639 KLYT	88.3 NM Albuquerque		1034 KDRS? 107.1 AR Marion, k, ID, or KTRS?
1711 KSEL	95.3 NM Roswell, ID		1044 KJBR 101.9 AR Jonesboro, r, ID
			1100 KTXK 105.7 TX Longview, k, Lu
Es			1109 WXOQ 105.5 TN Selmer, local ads
1630 unID	88.1 FF, mono		1118 KOYN 93.9 TX Paris, k, ID, \$
1634 unID	92.5 "...OC-FM", "Kwy. 20", \$		

Trop on Dec. 21 thru 23rd was intense from parts of AR, MO, MS and west TN. Most high power stations from those areas were 50 db or better. Paid little attention to making relogs as there were so many like all Little Rock, Memphis and areas in between. Jackson, MS also very strong. Directivity of the Probe 9 was evident in logging these stations. I had to really zero in because so many signals were present. Also, I've received that signal on 88.3 again w/\$, but no audio this time, on 1/21. (My only log in '89 so far!) It was on for a few minutes. At times sounded like someone rubbing their finger on a record needle. It comes from the direction of Summertown, TN. So I wonder if WUTZ is off air since I've never heard them and they may be testing at times. '73 & a fine '89 to all.

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

FOR DXERS in: Canada, ME, NH, VT, MA, RI, CT, NY, NJ, PA, OH, MI, IN, IL, WI, IA, MN, ND, SD, NE, MT, WY, ID, WA, OR, AK, and HI
MARCH 1989

DEADLINE: THE 5TH

Some good troposcatter heard by some due to locals offi, as well as some January aurora. New reporter Jeff Falconer and Ralph Strobel both heard some good tropes. If you have had some DX, send in a report. New reporters are ALWAYS welcome at Northern FM DX!!.....

DAVE NIEMAN, P.O. BOX 155, CLARENCE, NEW YORK 14031-0155

EQUIPMENT: Carver TX-11 tuner, Heathkit audio amp, Channel Master 4408 (Stereo Probe 9) antenna at 25' above ground 815' above sealevel turned by a CDE rotor, RG-11 75 ohm coax used.

DECEMBER 1988

	JANUARY 1989		
<u>31 Trs</u>	<u>15 AU</u>		
1230 WLLG 99.3 NY Lowville, call, m\$	154	1830 WMBI 90.1 IL Chicago, ID, g	477
31 Trs		2000 WBLV 90.3 MI Twin Lake, ID, c	384
1400 WKDN 106.9 PA Camden-Philly, ID, g\$	272	16 Trs	
<u>JANUARY 1989</u>		1238 WJDL 104.9 MI Caro, call, m\$ (vocals)	
<u>3 Trs</u>		soft rock	254
0931 WVNO 106.1 OH Mansfield, call, r\$	260	17 Trs	
5 MS		1103 WEMU 89.1 MI Ypsilanti, call, j\$	268
0850 KUAR 89.1 AR Little Rock, ID, \$	938	1329 WAPS 89.1 OH Akron, ID, NPR\$	207
9 Trs		(Akron teachers on strike)	
0949 WNIC 100.3 MI Dearborn-Detroit, call r\$ (Elvis contest)	254	22 GW & Trs	
10 Trs		1000 WQRT 98.3 NY Salamanca-Olean-Bradford, PA	
1100 WXPN 88.9 PA Philadelphia, ID, j\$	266	ID, k\$, "GREAT 98 COUNTRY"	58
1200 WCVT 89.7 MD Towson, ID, t\$	270	1402 WGTS 91.9 MD Takoma Park, call, c\$	288
11 Trs		1516 WLQR 101.5 OH Toledo, call, b\$	274
1001 WMRT 88.3 OH Marietta, ID, c\$	297	23 Trs	
15 Trs		1404 WOUC 89.1 OH Cambridge, ID, c\$	260
0900 WGLE 90.7 OH Lima, ID, c\$	333	28 Trs	
0900 WAUS 90.7 MI Berrien Springs, ID, c\$	406	1020 WSRD 104.9 NY Johnstown, call, r (oldies)\$	199
Not much time to listen in January. Dave		29 Trs	
BOB SMOLAREK - 156 OLDWICK ROAD - WHITEHOUSE STATION, NEW JERSEY 08889		1000-1100 94.7 WFME Newark, NJ g\$ 268; WDSD Dover DE K\$ 305; WLTT Bethesda, MD ads 283	

JANUARY 1989

5 Trs
0930 WDSY 107.9 PA Pittsburgh, k, WEBE offi
0945 WPVS 107.9 VT Burlington, c, WEBE offi

29 Trs
0245 WBRU 95.5 RI Providence, modern rock, WPLJ offi
0247 WROR 95.5 NY Albany, b, WPLJ offi
0249 WKYE 95.5 PA Johnstown, r, WPLJ offi

FEBRUARY 1989

01 GW
1200 WSKQ 97.9 NY New York, Spanish, ex:WEVD

Well, that's about it from down here, 73s and lets hope for some daily, May E-Skip!
73's Bob

MORRIS SORENSEN - GENERAL DELIVERY PURT CARLING, ONTARIO POB 110

Receiver: FV-610 or Sony ICF-2010
Antenna: "Whip"

JANUARY 1989

13 GW
2146 CIKK 106.5 ON Owen Sound, new local heard daily with ad con/rock mixture, non IDs "K 106.5", also carries "Broadcast News" same owners as CFUS 560 and CFPS 1490. Good signal here.

21 Tr
2158 CKGL 96.7 ON Kitchener, country mx, ID at 2200, seldom heard here because of local on 96.5



NORTHERN FM DX

MARCH 1989

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303
Equipment: McIntosh FM Tuner - CM Stereo Probe 9 Antenna - Wintertime is EST here.

November 1988

	December 1988
<u>3 MS</u>	<u>14 MS (Cont'd)</u>
2351 WNOE 101.1 LA New Orleans	754
4 tr	??22 WSTF 101.1 FL Cocoa Beach
0100 WRKR 107.7 MI Portage-Kalamazoo, r\$ 140	0756 KLIR 101.1 NE Columbus
5 MS	15 MS
0055 KILO 93.9 CO CO Springs-Pueblo, 1040	1001 KHCD 89.5 KS Salina
	1646 KVNE 89.5 TX Tyler
	22 tr
	0500 KRNB 101.1 TN Memphis, s\$
	"Magic-101" o/WBVR/WMRY
	25 MS
0337 KFNF 101.1 KS Oberlin	795
8 MS	0027 KOSI 101.1 CO Denver
0027 KOSI 101.1 CO Denver	1040
14 tr	1040 WRR 101.1 TX Dallas
0109 WSTZ 106.7 MS Vicksburg-Jackson, r\$, legal ID	25 tr
	0501 WVXR 89.3 OH New Paris- (//) WVXU 91.7) IN Richmond, now in \$
	30 MS
0337 KPHRt 93.9 SD Rapid City, Previous Es	0254 KTEO 93.9 TX San Angelo
	1070

January 1989

	January 1989
<u>3 MS</u>	<u>3 MS</u>
0423 WCTH 100.3 FL Plantation Key, 1088	Previous Es
0439 WOJY 100.3 NC High Point-Greensboro-Winston-Salem	412
0623 WKGR 98.7 FL Fort Pierce-West	926
Palm Beach-Boca Raton,	
1245 KFAN 101.1 TX Fredericksburg	1020
8 MS	Previous Es
0048 WNOE 101.1 LA New Orleans	754
2244 KMZU 101.1 MO Carrollton	434
11 MS	1544 WMEV 93.9 VA Marion, Previous tr
2357 WRR 101.1 TX Dallas	814
12 MS	9 MS
???? KRMD 101.1 LA Shreveport	0148 KTEZ 101.1 TX Lubbock
???? KDR 101.1 ND Williston	1017
???? KHCD 89.5 KS Salina	1058 WRRR 93.9 WV St. Marys, r\$, o/CKMR
2254 KRMD 101.1 LA Shreveport	658
13 MS	706 10 MS
0030 KWAN 98.7 TX Victoria, (A MS record)	2353 WLVE 93.9 FL Miami Beach
Previous Es	1040
0059 KLUV 98.7 TX Dallas	814 15 MS
0758 KENW 89.5 NM Portales	1071 0544 WCTH 100.3 FL Plantation Key
2238 KBHP 101.1 MN Bemidji	690 18 MS
14 MS	0920 KWOK 101.1 OK Woodward, 802
0012 WND 98.7 ?? ??	???
0110 WAIV 96.9 FL Jacksonville	712 21 MS
???? KMGO 98.7 IA Centerville, Previous tr	2217 KLIR 101.1 NE Columbus
(??? means that the MS burst was found taped on my reel to reel tape deck, which I left running at the very slowest speed). (See MS results listed below)	632 23 MS
	0107 WRR 101.1 TX Dallas
	814 25 MS
	1350 WRR 101.1 TX Dallas

METEOR SCATTER RESULTS

Nov 3 - WNOE "...WNOE..."	
Nov 2 - KILO "...November 25th, sponsored by Kilo-94..."	
Nov 7 - KFNF "...7:30 til 11:30 at the Scott City VFW Club..."	
Nov 8 - KOSI "...CO's turnout to be percentage wise, one of the highest in the nation..."	
Nov 14 - KPHR "...from the power station..."	
Nov 27 - KFAN "...You're listening to FM-101 KFAN..."	
Dec 7 - KFAN "...This is Steve Spears for..security reporting for KFAN on nx affecting your money..." Music begins - DJ says, "...KFAN - K-fan..."	

Continued next page

Ralph Strobel's meteor scatter results continues:

Dec 8 - WNOE "...for the best window tent in New Orleans..." KMZU "...28 degrees here at the KMZU studios..."

Dec 11 - WRR "...for more information, please call the Dallas SPCA at 651-..."

Dec 12 - KEMD "...FM-101 KR..." KDSR "...SR Williston..." KHCD "...Concordia and Manhattan. 24..." KRMF "...KRMF..."

Dec 13 - KTXN "...KTXN..." KLUV "...7 FM - KLUV..." KENW "...KENW-FM and KMTH-FM are both...radio stations owned by Eastern NM University and...100,00 watts of effective radiated power and authorized." KBMP "...directly across the street from Valley Oil and the Bargain Warehouse at 3119 South 3rd Street in Crookston..."

Dec 14 - unID "...Now we got a cool 52 at K-Rock. The old saying goes, when you can't stand the boredom, get out of the kitchen..."

WAIV "...97-Wave - WAIV..." KMGO "...Here's a look at the KMGO weather..."

Dec 15 - KHCD "...7. In Salina..." KVNE "...In Second Corinthians, God is able to make all grace abound to you in its will of triumph from KVNE..."

Dec 25 - WRR "...in Dallas are not..."

Dec 30 - KTEO "...on KTEO..."

Jan 2 - WCTB "...WCTB Catch-FM..."

Comments: With all the meteor scatter DXing I've done on 101.1 MHz, one would think that stations to the east of me would also be heard. For some mysterious reason, I seem to be finding the same relogs time and time again. On the evening of December 14, 1988, I counted 14 bursts of classical music on 101.1 from 10-11 p.m. EST. As far as I can tell, WRR in Dallas is the only classical station on this frequency. Many times when I hear WRR by MS, I am able to identify the composition being played over the air. The skies of Dallas, TX must be full of meteor activity compared to other parts of the country. Does anyone have any explanation for this? If so, please write and fill me in. This is interesting.

Here is a list of stations on 101.1 I have never heard by MS or any other type of propagation mode:

WFHM AL Cullman
WWDC DC Washington
WAFT GA Valdosta
WFAL MA Falmouth
KZMT MT Helena

WGIR NH Manchester
WPCM NC Burlington
WEAZ PA Philadelphia
WGMR PA Tyrone
WCKN SC Anderson

In spite of this, out of 27 stations logged on 101.1, 19 have been heard by meteor scatter. My second best frequency for meteor scatter is 98.9 with 18 ID bursts. Total number of stations on 98.9 is 25. Now 98.9 is destroyed by the fact that WBIR Van Wert, OH-Fort Wayne, IN has gone 24 hours! All I needed! Looks as if all the new stations coming on the air will do nothing but destroy our hobby of DXing. Even the television channels are becoming clogged with new stations and TV DXers certainly won't be too happy about that!

Let's hope the spring and summer will bring us all a multitude of Es happiness! My meteor scatter total stands idle at 112.

73 - Ralph

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO N0M 1L0

(Welcome to Northern FM DX, Jeff!!-gc)

EQUIPMENT: ICOM R7000 - Creative Design 25 element log periodic at 28' with Archer rotor or ICOM AH-7000 discone at 25'

103 new stations heard since October. I've only listed better catches.

OCTOBER 1988

2 Tr
0531 WTCR 103.3 WV Huntington, ID for Huntington-Germantown. WV #1 here
26 Tr
1931 WEEL 97.3 WV Wheeling, fair in CKO splash with contest promo, heard several times since.

NOVEMBER 1988

1 MS
2204 WCGQ 107.3 GA Columbus, "...on WCGQ, 107.3...", into mx
21 Tr
2234(WNSN)101.5 IN South Bend, "Sunny" ID, semi reg here, ex WWJY

JANUARY 1989

3 Ms
0038 WWRX 103.7 RI Westerly, "...103.7 WRX...". r, RI #1
19 TrS
1553 WMYJ 97.9 PA Edinboro, relatively new station mixing with WJLB, ID for Edinboro-Pittsburgh. (Jeff, are you sure the ID was w/Pittsburgh; Edinboro is about 100 miles from there; maybe something sounding like Pittsburgh?-gc)
1603 WRKR 107.7 MI Portage, new station, RKR IDs and r.
Put up new log periodic antenna, 42 new stations heard in 5 days."

25 Tr
1616 WCSB 89.3 OH Cleveland, punk rock, heavy metal, request line, completes Cleveland for me.

1830 WMUR 88.5 OH Oxford, good with ID, into news
1839 WSNY 94.7 OH Columbus, "Sunny 95" ID, r

26 Tr
2305 WGTV 92.9 OH Eaton, "93 Z" ID
27 Tr

0127 WHIQ 99.1 OH Dayton, faded up briefly w/ID, then gone
1936 WMGG 99.7 OH Columbus, "Magic 99.7" ID, r

28 Tr
1454 CFMK 96.3 ON Kingston, ad for CKWS TV, looking for CFMX1
1458 CBCO 105.9 ON Orillia, CBC EE Net .
1459 CJBC5 106.3 ON Peterborough, CBC FF Net

1650 CFJB 95.7 ON Barrie, r, 95 Rock ID, new stn
1733 WHOT 101.1 OH Youngstown, r, "Hot 101" ID

1759 WYSI 88.5 OH Youngstown, ID went Youngstown University
1846 WRRN 92.3 PA Warren, ID wea mixing w/WVAE.

1909 WWKS 106.7 PA Beaver Falls, ID, r
2003 CJBC3 96.5 ON Penetanguishene, CBC FF Net

2004 CBCM 107.5 ON Penetanguishene, CBC EE Net
2024 CHRW 94.7 ON London, r, one of my most wanted, completes London

2050 CFMX 103.1 ON Cobourg, pour w/CIQM, ID into opera program
2051 CFMX1 96.3 ON Mississauga, same as CFMX above, but stronger

29 Tr
1321 CFLY 98.3 ON Kingston, ski report, FLY request line #
1530 WKIN 95.3 OH Kenton, faded up w/weak ID.

1800 WOLX 102.3 OH Galion, live feed from a church, mixing w/WPOG/CKDK

30 Tr
0100 WUFN 96.7 MI Albion, religious pgm, local pest CKGL off.

0213 WCXT 105.3 MI Hart, "the new WCXT", local pest CFCA off U203 U255
0214 WYHT 105.3 OH Mansfield, "Hit 105" ID, r

0230 CJMX 105.3 ON Sudbury, ad for Glories restaurant

1800 WGLE 90.7 OH Lima, ID and "Ohio Network" news

1806 WGTE 91.3 OH Toledo, same pgm as WGLE above

1852 WQTL 106.3 OH Ottawa, ad live from a butcher shop in Findlay.

Ran out of space Greg, hi! Until next time 73 and Good DX.

Jeff

NORTHERN FM DX

MARCH 1989

BILL NIENAJADLY - 98 HIGHLAND AVE. - CLIFTON, NEW JERSEY 07011

EQUIPMENT: GE Superradio II, Attic wire antenna 10ft!DECEMBER 198831 TrS/AS
0812 unID 91.7 "Small Town" by John Cougar, male
older voice" announcer, 5 sec burstJANUARY 1989 - HAPPY NEW YEAR, GOOD DXING-bn1 GW2325 KPRC 91.5 PIRATE, mellow AOR & phone conversations with
listeners, didn't get phone#, exc. sound,
signal good, pirate total:42 GW/Tr/AS vx = fogLocal WQXR 96.3 New York off air
0202 WNIX 96.3 RI Nantucket, "Oldies 96" ID, full strength
for 1 min, long deep fades, then gone
0237 WSNE 93.5 PA Stroudsburg, stable/weak GW, Top40/AOR, WRTN off! 69
0241 WJPL 91.9 NY Brooklyn, Pirate, asking for \$20.00!, WJPL
fundraising P.O. Box 1191 Grand Central Sta., NY, NY 20
0317 WHJY 94.1 RI Providence, AOR, in 2mins then gone, 94HJY 185
0332 WPEL 96.5 PA Montrose, religion, vx for "East Pa. and NY's
Southern Tier", ID, steady fade in for 1 hour. 120
0829 WRVW 93.5 NY Hudson. ID/call, in briefly, WRTN still off 100
0838 WZBH 93.5 DE Georgetown, in several times weak/ID call/AOR
WRTN off still!, rare 165

RARE-WEBE 107.9 NOT HEARD!

1129 WXKS 107.9 MA Medford/Boston, ID Kiss 108 FM, strong to fade 210
1139 unID 107.9 relig. pgm // WFME. Perhaps WFSI? (Likely gc,
1142 unID 107.9 beautiful mx in for 30 sec toll (WRHP Syracuse? gc)
1145-1158 Locals 93.9, 101.9 9 interreference!
1158-1304 unID's 92.5, 92.7, 92.9, 93.7, 94.5, 95.7, 95.9
98.9, 102.1, 105.7, could not pin down formats or IDs ??-gc!
1305 unID 102.3 relig pgm under WBAB, then gone (maybe WSJL Cape May, NJ? gc)
1552 WSNI 104.5 PA Philadelphia, strong/steady for 1/2 hr, then gone! 95
1601 unID 88.9 went WFME, Xtr on LI? (This is WFKS Smithtown, LI-gc)
1602 unID 90.1 classical mx, weak but steady, WRTI?, WKCR off!
1619 Hartford/Phillys 96.5 noted v/WQXR on!6 TrS/AS
strong/stable for three hours!
0650 WBJC 91.5 MD Baltimore, classical, female announcer, long deep
fades to local strength! WNYE off! later heard again,
ticket giveaway, call 296--- FADE! 1st Baltimore here! 657 GW0047 WHOT 91.5 NY Brooklyn, Pirate!, ID "This is WHOT serving
Washington & Idaho from Brooklyn" very professional!
used old WABC jingles with WHOT instead of WABC! Wow!
Format: oldies. Pirate total:5 WCHE/WFUN/WJPL/KPRC/WHOT 1958 TrS/MS2207 WEBE 107.9 CT still not heard!
2211 unID 107.9 The most beautiful music in the world" 5 sec. burst
(Was this a MS burst?-gc)2215 WXKS 107.9 MA Medford-Boston, Kiss 108 FM 210
2344 unID 107.9 R & R "Hoochie Koo" Rick Derringer, 3 sec. burst (MS?-gc)9 TrS/AS/MS0009 WEHM 107.9 WV Huntington, ID "..EMM", weak!, 3 sec burst 470
0211 WQXR 96.3 noted off0212 WLEV 96.1 PA Easton, steady GW 70
1730-1851 many unIDs noted on 107.91855 unID 107.9 Central NY counseling ctr", (WRHP Syracuse-gc)
1900 same stuff, Boston, unid Relig (Annapolis?-gc), unid AOR, unid
country, unid beautiful (Syracuse?-gc)10 AS/TrS/GW1536 WKDN 106.9 NJ Camden, prg identical to WFME, WLW splatter 95
1637 WGNA 107.7 NY Albany, 3 sec burst ID! 107.7 WGNA 2 and Albany ever!
(?-gc), could've been 107.9 country. GE SuperradioII is analog
so I could've been wrong about 107.9 unIDs. Please help with
AOR/Beautiful unIDs. I have no idea about the AOR. The btfl
station, however, I think could be WRHP Syracuse-gc)1735 WEBE 107.9 CT back on, mentioned back to full power and antenna problems
(hmm, what's wrong with 50 watts, hi!)

NORTHERN FM DX

MARCH 1989

BILL NIENAJADLY'S REPORT - continued

JANUARY 11, 1989 - Airplane scatter2347 WZZO 95.1 PA Bethlehem, brief ID 80

12 Tr/TrS 45

1850 WNJJ 103.7 NJ Newton, vx for Sussex Co-ID 951953 WMMR 93.3 PA Philadelphia. steady, ID 1302020 WAYV 95.1 NJ Atlantic City, brief ID

15 Tr 95

1001 unID 103.1 relig prg-church choir in for 15 mins

1113 WMGK 102.9 PA Philadelphia, brief, ID

16 GW/Tr 95

0201 Local 96.3 WQXR off

0202 WLEV 96.1 PA Easton, steady, ID0205 WWDB 96.5 PA Philadelphia, poor, ID

0213 local WFME 94.7 off, then on, then off. Wierd

0219 WCHR 94.5 NJ Trenton, steady/good, ID0233 WMAS 94.7 MA Springfield, briefly, ID

19 GW/Tr 125

0718 WUSB 90.1 NY Stoney Brook, steady, ID

22 Tr 50

2128 unID 102.1 The New Q-102/ph# 263-6464, crossover mx, (This could
very well be WIOQ Philadelphia. I heard they changed to
that format.-gc). Also noted on 102.1-AOR and btfl mx
(No idea on btfl mx, AOR could be WAQY Springfield, Ma-gc)

23 GW/TrS 140

0729 WAMC 90.3 NY Albany, ID0744 WVPH 90.3 NJ Piscataway, brief, ID25 TrS/AS RARE WKCR 89.9 OFF!1927 unID 89.7 classical mx, announcer saying "Boston symphony-last
Sunday"-FADE, local quality several times
(How about WGBH Boston?-gc)

1933 unID 89.9 jazz music, fade

1958 unID 89.9 talkshow, "Dangerous Grid lock in the Canadian health
system"! (*#*\$#! Had to leave!

26 GW/Tr 30

2053 WCWP 88.1 NY Brookville, Long Islands only radio talk station.

rarely rx = due to 88.3 WBGO Newark

0652 WBBC 91.5 MD Baltimore, ID Briefly, WNYE off!January was above average for any month in a long time in years.
With warm temps, stations off, tropes and more listening beat out an
average spring month! Still not too shabby for a very modest system and
the proximity from NYC! The attic antennas work decently, but I'm
planning to get 2 RS 110 mile FM antennas, stack them to use a rotor in
the next few months, and plan to get another GE Superradio II. But
I don't have \$600.00...yet, for an Onkyo or Carver.
Until then.....Good DXing, Bill!

KURT RICHARDSON - NORTH SYRACUSE, NEW YORK

DECEMBER 198827 MS
???? WDIZ 100.3 FL Orlando, "Doesn't get any.....Stones on D12"
(Kurt heard this in the parking lot of the Great Northern
mall in Clay, New York-gc)JANUARY 1989

15 Au

1908 unID 100.3 "FM 100", ez listening (from Great Northern Mall)

1925 WJLB 97.9 MI Detroit (at Bill Kretschmer's), "ILB"
My Prerogative" by Bobby Brown (Sam Brown was also present)1950 WWW 106.7 MI Detroit, country music

2000 unID 93.7 "Shake It" by Eddie Money (could be WJFM)

(Very possible. WJFM's format is CLASSIC HITS-gc)

REPORT TO NORTHERN FM DX TODAY!!!

NORTHERN FM DX

MARCH 1989

BILL KRETSCHMER - 104 KOPP AVENUE - NORTH SYRACUSE, NEW YORK 13212-1606

EQUIP: Yamaha TX-900U Stereo Tuner, CM Stereo Probe 9
at 40 feet AGL, CAC11 coax, Elevation 400' ASL

DECEMBER 1988

31 Trs

0844 WPLM 99.1 MA Plymouth
0846 WMJX 106.7 MA Boston, Lite 106.7
0854 WHTZ 100.3 NJ Newark
heard at 0855 by MS burst!



JANUARY 1989

2 Tr

0100-0205 NY's WLTW 106.7, WNSR 105.1,
WQHT 97.1, WBLS 107.5, WNYN 103.5
0207 WYSP 94.1 PA Philadelphia
0213 WSUS 102.3 NJ Franklin
0220 WTLO 102.3 PA Pittston, Q102-Great CHR!
0242 WHTG 106.3 NJ Eatontown, WVIP fading

7 Trs

1000 WCUD 106.1 MA Hyannis, wx for Cape Cod & The
Islands/Tide Schedules
1001 WPLM 99.1 MA Plymouth
1028 WPKT 90.5 CT Middlefield WBXL off
1038 WFUV 90.7 NY New York
1144 WBAI 99.5 NY New York "call and support WBAI"
null WGY/WJBR

16 Au

1900-2000 CJOM 88.7 Windsor, Ont, WJLB 97.9 Detroit

25 Tr

1744-2030 Most Buffalo, Toronto, Hamilton, Kitchener FMs strong
1754 CKFM 99.9 ON Toronto, null in WOKW at 30 miles

31 Trs

WNYZ Utica/Rome 98.7 off air!

0706 WRKS 98.7 NY New York
0709 CBCB 98.7 ON Wiarton
0713-0719 unID MS Bursts, country, urban, jazz
0718 WMZQ 98.7 DC Washington
0720 WNYZ returns
0813 WJZZ 105.9 MI Detroit, MS burst
0814 WJZZ by Troposcatter

Trops have been interesting in January with warm temps. The 1/16 auroral opening was quite a surprise. Kurt Richardson and I heard CJOM/WJLB. Their audio was difficult to verify due to its raspy sound. The week of Jan 1-7 contained many MS bursts including Z-100. Since I purchased my tuner, I've been receiving WCUD Hyannis, Ma @ 311 miles daily! I even programmed my phone with their request line#. I guess I've been blessed with my own personal tropo duct to the Cape! A few days ago, I did my radio promo spring cleaning and came across an FM bandscan from Mt. Washington, N.H. What can be received atop that mountain is incredible! (I'm sure it is. This bandscan sounds very interesting!-gc) Elevation ASL is 6,255 feet. I'll send it in soon. By the way, Greg, your bandscans are great and hope more members send them in! 73's Bill

Bill adds to his report.....

FEBRUARY 1989

4 MS

1135 WKXC 99.5 SC Aiken

5 Trs/MS

0814 WESS 90.3 PA East Stroudsburg, relig. music, weak! (1)
0834 WAIJ 90.3 MD Grantsville, "regional convention to be held at
the Washington D.C. Shoreline Motel." called to verify
Had a feeling it was WAIJ because it sounded like a regional ad,
so I called them. The DJ verified it was them, and played back
the message I heard over the phone. I've written for verification.

NORTHERN FM DX

MARCH 1989

WILLIAM WYLLIE - 95 PECK STREET - FRANKLIN, MASSACHUSETTS 02038-2217

EQUIPMENT: Realistic Modulaire 2200 receiver

Antenna: Wire connected to the extending rod

DECEMBER 1988

23 Tr

1958 WALK 97.5 NY Patchogue, with Oldies request show.
ID "WALK-FM" good over WOKW Dover, NH.
2018 WMAS 94.7 MA Springfield, poor signal, rock music. ID "WMAS"
2025 WMLN 91.5 MA Milton, good but fuzzy signal, rap music
Not always heard here.

24 Tr

0104 WFCC 107.5 MA Chatham, good but fuzzy. Noted sign off. Very
hard to get here due to WAAF 107.3 / WXKS 107.9
0110 WBLS 107.5 NY New York, Seems to play soft rock (urban oriented?-gc)
slogan "Quiet Personal". Strong signal after WFCC
sign off. Even good in stereo.
0116 WCCC 106.9 CT Hartford, very strong. Fuzzy stereo. So strong I
almost mistook it for a local. Female DJ's first night
on the radio.
0120 WHCN 105.9 CT Hartford, poor signal, very rare to hear. But did pick out
ID as "WHCN" briefly.
0130 WSPK 104.7 NY Poughkeepsie, rock music. Good signal over WKPE. ID "K-104"
0137 WBAZ 101.7 NY Southold, strong signal over local WFNX. ID as: "Light of
The Bays" something like that. This is only the second time
received here.
0145 WKCI 101.3 CT Hamden, strong signal. Rock music, ID as "KC-101"
0200 WTYD 100.9 CT New London, Good but fuzzy signal. Tide 1D, not heard too
often here.
0208 WEZN 99.9 CT Bridgeport, Easy Rock music, good signal.
0216 WEVD 97.9 NY New York, big band music. Bing Crosby song. Strong signal
Only the second time received here.

This is good reception for December. My receiver is a "REALISTIC MODULAIRE 2200". with a wire connected to the extending rod. Wire goes half way around the room on the edge of the ceiling. It works great. This radio is very good on FM.

BILL NIENAJADLY SENDS A SECOND REPORT!

Bill sends an update on DX in early February....

FEBRUARY 1989

1 GW

1201 WSKW 97.9 NY New York

2 GW

2024 WKGL 92.7 NY Middletown. WDRR nullled. ID "The Rock"

4 Trs

WNYE 91.5 off air

0707 WXXI 91.5 NY Rochester, sunshine show, electronic music

0718 unID 91.5 Beatles mix, heavy audio processing + echo,

male and female DJ

5 AS/T1

1750 WQQQ 99.9 PA Easton, 5 mins then gone

6 Trs/GW/AS

using RS FM antenna null NYC antenna in attic, 300 ohm twinlead

0654 WBJC 91.5 MA Baltimore, WNYE off, ID

0659 WXXI 91.5 NY Rochester, WNYE off, ID

0741 unID 91.5 French in very briefly, any ideas?

1915 W276AQ 103.1 NJ Fort Lee, rebroadcasting WALK, not WPST!

2008 WAYV 95.1 NJ Atlantic City, brief ID

2126 WSNI 104.5 PA Philadelphia, brief

2133 WXTU 92.5 PA Philadelphia, brief ID

2136 WAEB 104.1 PA Allentown, ID, brief

2142 WKDN 106.9 NJ Camden, ID brief

7 Trs/AS

1358 WQXK 94.1 PA Sunbury, o/WYSP!, ads ment Sunbury & Williamsport

1614 WFMV 106.3 NJ Blairstown, ID, longtime no hear!

More will follow as I get more DX. February shaping up great
already, but no major tropo or Es noted. Just better nulls
against NYC.

Good DXing

GREG CONIGLIO - 5100 GLENWOOD DRIVE WILLIAMSTVILLE, NEW YORK 14221

EQUIPMENT: see February VUD reportWUPZ RADIO, INC.
316 WAVERLY AVE., SYRACUSE, NY 13210

JANUARY 1989

10 Tr 0740(WHKS) 94.9 PA Harrisburg, o/semilcl CKQT, rms, The New Kiss 95 (ex:WMSP)

20 Au 1800 WFTV 89.1 VA Roanoke, NPR pgm, ID

1802 WFUV 90.7 NY New York, calls, legal ID

20 TrS 1853 WMGM 103.7 NJ Atlantic City, legal ID, ads, o/WQNY/WCKK mix

24 Tr/TrS 1705 WFME 94.7 NJ Newark, g, very strong despite strong local WNED 94.5

2116 WRVN 91.9 NY Utica, radio play // WRVU Oswego 89.9, rarely heard here

29 TrS/Tr 1500 WTNY 93.5 NY Watertown, r. T-99-FM, legal ID, o/CHRP, Samantha Fox ad

1532 WPTW 95.7 OH Piqua, ad, ID, into what sounded like Ohio Buckeyes game. Somehow made it through CFJB-WULN mess.

FEBRUARY 1989

6 TrS 1900 WHOM 94.9 NH Mount Washington, calls, "The WHOM wx forecast...", lost before end of weather to CKQT/CIMF mix. STATE #36. (Farthest TrS ever at 381 miles.)

7 TrS 1452 WFLS 93.3 VA Fredericksburg, DJ talk, calls, temp (32, I believe) o/WWSE/WMMR. Country music heard later on 93.3

8 TrS 1952 WVIC 94.9 MI E.Lansing, ads, legal ID, into R.E.M. song, r, CKQT off Semi-local CKQT 94.9 Oshawa seems much weaker lately than they have been in the past. I now regularly heard WQMX-UH, WHKS-Pn, and CIMF-PQ come in right over them. WHOM Mt. Washington, my farthest TrS ever heard, was also in right over them! As you can see in my report, there has been a few instances of interesting troposcatter in January and February. Otherwise though, conditions have been dead.

STATION NEWS: A new station on the air in Western New York is WQRT 98.3 in Salamanca. They are a country station (see Dave Nieman's report). No sign yet of WFBF 89.9 or CJBC 90.3. ANOTHER new station is on in Southern Ontario: CIKK 106.5 Owen Sound. Slogan is K-106.5, format is ad/con-rock mixture (see Morris Sorensen's report). In Chicago, WSEX 92.7 Arlington Heights has changed calls to WCBR, "Chicago's Bear". Format is hits/ad.com mix. In Dallas, ex list, KMEZ 100.3 has moved to 107.5, and KDLZ 107.5 becomes KJMZ 100.3, "Jams 100.3", urban contemporary. In Atlanta, WZGC 92.9 has switched to "Classic Rock", allowing WWXL 94 W to move more in the Top 40 direction. New stations are on in Edinboro, Pa (WHYJ 97.9) and Portage, Mich. (WRKR 107.7) (see Jeff Falconer's report) 97.9 New York City is now WSKQ-Spanish. (See Bob Smolarek's report)

* I am looking to trade airchecks of stations (a recording of a station), DX Tapes, bumper stickers, and TV Guides with members. I can send you Buffalo, Toronto, and some S. Ontario and Rochester stations, DX Tapes, some stickers, and Buffalo Edition TV Guides.

* Logos courtesy of Joe Fela, Larry Fuss, Bill Kretschmer, and me.

COMMENTS- What do you think of bandscans reporting? I am looking for members to answer that question. Bandscans, which run in this column in the late winter-spring months, I feel help to show the membership what can be received at the DXers QTH normally. I have also done and received bandscans from vacation spots as part of a "DXpedition". What do you feel? Do you see you think they are a good idea?

ON THE NEXT PAGE: A bandscan by Bill Kretschmer. See what Bill can regularly receive in North Syracuse, New York, site of the 1989 WFTDA convention!, using his Yamaha tuner and Stereo Probe 9 antenna.

73s,
Greg

BILL KRETSCHMER - 104 KOPP AVENUE - NORTH SYRACUSE, NEW YORK 13212

BANDSCAN: North Syracuse, New York (home of 1989 WFTDA convention!) -
BANDSCAN EQUIPMENT: Yamaha Tuner TX-900 U, Stereo Probe 9 at 40' AGL

CAC-11 coax, Elevation 400' ASL, CM Auto rotor			
98.1 WFRW NY Webster	WYSP PR Philadelphia	WLHG NY Lowville	WNNR PA Harrisburg
98.3 WHEP NY Syracuse	WUJY RI Providence	WMPR MA Northampton	104.3 (WGM) NY Utica
98.5 WURB NY Rochester	94.3 WLVY NY Elmira	99.5 WGY NY Schenectady	WBSS MD Baltimore
98.7 WBUO NY Buffalo	WHSR VT Bennington	WDXC NY Buffalo	WOMC MI Detroit
WHL NY Clinton	94.5 WYYV NY SYRACUSE	WJBR DE Wilmington	WEA UK East Liverpool
98.9 WMMI NY Auburn	WNED NY Buffalo	WJRI NY New York	CBFI PQ Trois Rivieres
WMSU NY Brockport	94.9 WHOM NH Mount Washington	CJBC2 ON Kingston	104.5 CHUM ON Toronto
WMSU PA Selinsgrove	CKQT ON Oshawa	DKFM ON Toronto	104.7 WFMN NY Fulton
WTCI NY Cazenovia	CIMF PU Hull	100.1 WMBB MA North Adams	104.9 WNGZ NY Montour Falls
WTTR NY Henrietta	55.1 WZSH NY South Bristol	WBBR PA Bradford	105.1 (WIV) NY DERUYTER
99.1 WJPZ NY SYRACUSE	WPKI CT Brookfield	WNRB OH Kent	CKW ON Peterborough
99.3 WENR NY Binghamton	95.3 CKDS ON Hamilton	WPRR PA Altoona	WGR NY New York
99.5 WNYT NY Utica	WEIX NY Governor	WATZ NJ Newark	WILD PA Williamsport
99.7 WEDS NY Geneva	WHDH NY Honesdale	100.3 WGLL PA Troy/Canton	WMLI RI Providence
WTRC NY Henrietta	WSPJ PA Shamokin	WHTZ NJ Newark	105.3 WQPO NY Hornell
99.9 WIVD NY Oswego	WTTC PA Towanda	WKSZ PA Media	105.5 WSGO NY Oswego
WMCN NY Greece	WE37AN NY Sidney	WZPR PA Meadville	WNAH NJ Dover
WMCU NY Hamilton	WXXX VT So.Burlington	100.5 WIVR NY Rochester	WBEC MA Pittsfield
WMCN NY Albany	35.5 CJBC1 ON Belleville	100.7 CHIN ON Toronto	105.7 WMRV NY Endicott
WMSL NY Houghton	CBBC ON Cornwall	100.9 WEZB NY NORTH SYRACUSE	CHRE ON St.Catherines
90.5 (WBL) NY BALDWINSVILLE	WROW NY Albany	101.1 CHEP ON Smiths Falls	CFGL PQ Laval
WPKT CT Middlefield	105.7 (WAB) NY MANLIUS	101.3 WHRM NY Rochester	WBF MA Framingham
WICH NY Worcester	WOLN NY Manlius	WGBI PA Scranton	105.9 WMMO PA Pittsburgh
WISU NY Cortland	WFLW PA Philadelphia	101.5 CFMP ON Peterborough	WHON CT Hartford
WIBER NY Henrietta	WKSZ CT Hartford	WLKH RI Providence	WISY ME Bath
90.7 WCCB NY Batavia	95.9 WZBZ NY Dundee	WPDR NY Poughkeepsie	WMMK NJ Newark
WIPR NY Utica	36.1 WFMQ NY Rome	WPIT PA Pittsburgh	WJZZ MI Detroit
WFUN NY New York	WJOE NY Buffalo	WAYZ PA Waynesboro	CCCO ON Orillia
90.9 WMY NY Watertown	36.3 CFMK ON Kingston	WKKW NY Trenton	106.1 WOOD MA Hyannis
WSDG NY Ithaca	96.5 WQMF NY Rochester	101.7 WSCP NY Pulaski	WZKZ NY Corning
91.1 CJRT ON Toronto	WPEL PA Montrose	WEQZ NY Geneva	CHEZ ON Ottawa
91.3 WNOY NY SYRACUSE	96.7 WBMZ NY Clifton Park	101.9 WJIV NY Cherry Valley	CKLA ON Guelph
91.5 WXXI NY Rochester	WTXJ NY Port Jervis	102.1 CFNY ON Toronto	MEGX PA Philadelphia
WAPI NY Troy	CKLG ON Kitchener	WION PA Philadelphia	WBLI NY Patchogue
91.7 WICB NY Ithaca	96.9 (WOUR) NY UTICA	WADY MA Springfield	WMCN NY ONEIDA
91.9 WMRV NY Utica	WGR NY Buffalo	102.3 WFLC NY Canandaigua	WVIP NY Mt. Kisco
CFRC ON Kingston	97.1 CJLG ON Belleville	WGRB NY Tupper Lake	WTBZ NJ Eatonton
92.1 (WSD) NY BALDWINSVILLE	WREO OH Ashtabula	WTLO PA Pittston	CJBC5 ON Peterborough
CPBC ON Brantford	WRUT VT Rutland	WSUS NY Franklin	106.5 WPYX NY Albany
92.3 WFLY NY Troy	97.3 WYXL NY Ithaca	102.5 (WUD) NY ROME	WHLW NY Buffalo
92.5 WREC NY Rochester	CJEZ ON Toronto	WMBZ NY Buffalo	WBLM PA Bloomsburg
WYZH CT Waterbury	97.5 WCIY NY Watertown	WCRB MA Waltham	106.7 WLTW NY New York
CFOR PQ Montreal	WQST NJ Trenton	CBDF ON Ottawa	WNUX MA Boston
92.7 WWTU NY Herkimer	WALK NY Patchogue	102.7 WEGX VT Manchester	WIZN VT Vergennes
WLEY NY Elmira	WCKY PR St. Marys	102.9 WMMR NY SYRACUSE	WPKZ PA Hershey
WPCP NY Ogdensburg	97.9 WDLR NY Amsterdam	103.1 WZQ NY Oneonta	106.9 (WCD) NY Hudson
92.9 WBLK NY Buffalo	CHDM PQ Montreal	WTQJ NY Carthage	WCCC CT Hartford
93.1 (WNTD) NY SYRACUSE	CTTZ ON St.Catherines	WHLR NY Albany	WMBK OH Canton
WRYN MA Springfield	97.9 WPIY NY Rochester	103.3 WPHD NY Buffalo	CROI ON Ottawa
WZBH OH Cleveland	WMSH PR Hazelton	CFXK ON Cobourg	107.1 CILD ON Toronto
CHAY ON Barrie	WEVD NY New York	CGO NY Ottawa	WEZX PR Scranton
CKDU ON Ottawa	98.1 CHFI ON Toronto	WCFH ON Cleveland	107.3 WREC NY UTICA
93.3 WMSF NY Jamestown	WMMK NY Binghamton	WODS MA Boston	107.5 WBLZ NY New York
WMMR PR Philadelphia	WJUR VT Rutland	103.5 WACS NY Cobleskill	CBCK ON Kingston
93.5 WWDG NY Rensselaer	WNYW NY New York	WVNY NY New York	107.7 WMMW NY Weathersfield
WVBR NY Watertown	98.3 WESZC NY SYRACUSE	WGRS DC Washington	WMSA NY Albany
WVBR NY Ithaca	CFLY ON Kingston	WMLZ MI Detroit	107.9 (WHP) NY SYRACUSE
CBBC ON Peterborough	98.5 WMSF NY Niagara Falls	CIDC ON Orangeville	WEBE CT Westport
CBCL ON London	WNRZ PR Scranton	WRYK NY Steubenville	WMSK MA Medford/Boston
93.7 WBLK NY Depew/Buffalo	CIEL PQ Longueil	98.7 (WNY) NY UTICA	CING ON Burlington
MLWH CT Hartford	WRKS NY New York	103.7 WONY NY Ithaca	
MOSY MA Lawrence	CBBC ON Wiarton	WKEE NH Keene	
MTW DE Wilmington	WCRK VT Burlington	103.9 WDXK NY Rochester	
WBZK PA Pittsburgh	99.1 WAAI NY Binghamton	WMSK NY Oneonta	
33.9 WZKZ NY Norwich	CKOZ ON Toronto	WBKJ NY Rensselaer	
CFMO ON Ottawa	99.2 WBLN MA Plymouth	CBPZ ON Peterborough	
34.1 CBL ON Toronto	WOKX PR Sunbury	104.1 WHTT NY Buffalo	
	99.3 WMSF NY Seneca Falls	WXTR ND LaPlata	
		WAEK PA Allentown	

CAPS = LOCALS, () means other stations on that frequency
only audible when this one is off the air.

NEWS



March 1989/March 1989/MARCH 1989/MARCH 1989/mARCH 1989/mARCH 1989/etc.!!!!!!

A LOOK AT WHAT'S NEWS FOLLOWS THE WEATHER: What a variety! Here in Raleigh we've had some very warm weather. It hit 83 on 2/3, shattering the previous high by 20 degrees. I never heard it officially mentioned but I do believe it was the warmest February day ever! Then there are some portions of the country at that same time that shivered in subzero weather. Greg Coniglio mentions a lack of snow up his way. As of January 19th they were over 35 inches below normal on snow! But as I type this up I see New York is getting its share of lake effect snow. It all balances out in the long run, I guess...now on to the NEWS!

Matt Sittel, NWS News Editor

JANUARY 1989

6 tr 0850	WXL42	NC Winston-Salem	89	.400
24 tr 0935	KEC84	NC New Bern	104	.400
26 tr 0910	WXL42	NC Winston-Salem	89	.400
	KHB31	NC Wilmington	116	.550

Not too much to report-DX has been pretty slow recently. New Bern has been heard frequently during those times of tropes though. Wonder why? Sure could use some of those great DX openings from back in August and September. Guess I'll just have to study instead of DX, hi!

FEBRUARY 1989

1 tr 0825	KEC84	NC New Bern	104	.400
3 tr 0825	KEC95	SC Myrtle Beach	147	.400

John Ebeling sent in some information on KEC65, Minneapolis-St. Paul, MN. I've included most of the unique information-as of course all stations say the same things on their information sheets in some cases.

"Station KEC-65 transmitter, with close to 1000 watts of power output, is located on the KSTP TV Antenna near University Avenue and the Minneapolis/St. Paul city limits. Weather information originates and is recorded on magnetic tape at the Weather Service Forecast Office at the Twin Cities International Airport. These taped transmissions include current conditions and severe weather data, the latest forecasts, 3-day forecasts, weather summaries and advisories, river and climatological data, and hourly weather radar summaries. The material is up-dated routinely as conditions change. During severe weather occurrences, routine programming is replaced by releases concerning the severe weather, which is originally broadcasted live. Such releases consist primarily of watches and/or warnings, special and severe weather statements and safety rules. Civil defense sirens are activated if a tornado or very severe thunderstorm threatens the Twin Cities 7 county Metropolitan Area which includes the following counties of Minnesota: Hennepin, Ramsey, Dakota, Scott, Carver, Anoka, and Washington. The KEC-65 transmitter is equipped with a special feature so that during critical weather situations, such as weather warnings, the Weather Service can transmit a distinctive audible tone alert signal for 3 to 5 seconds. The frequency of the tone is 1050 Hertz (cycles per second). Receivers that can be tone-activated are normally left in a "stand-by" mode. Upon receiving the 1050 Hz warning alarm signal, these receivers are activated so that all transmissions on KEC-65 can be heard. A test of the tone-alert facility is conducted each Wednesday at noon. If a severe weather watch or warning is in progress or appears imminent, this test is cancelled."

Their schedule includes:

ID (FCC required, it says)/24 hours a day(beginning each cycle)
Weather synopsys/Traveler's Forecast for 5-state area (MN,WI,IA,eastern Dakotas)/24h daily
Twin City and local extended forecast/24 hours a day
Twin City Hourly weather conditions and Regional roundup/24h daily

Minneapolis Weather Radar Summary/24h daily

Twin Cities Climatological Data/2 to 10 am, 7 to 10 pm

Unscheduled products include:

Severe Weather Watches/Warnings...Safety Rules/Special/Severe Weather Statements/as applicable...routine programming pre-empted

Warning Alarm Test/each Wednesday at noon and the first Wednesday of each month at 1pm.

Thankyou John for the fine information! Also thankyou Greg for the local weather item! And I'll thank me for the DX report since nobody else sent one. Is there any DX out there?

Have you been checking? I thought so...well, don't delay! Go check it out, and write me and tell me about your DX or about your local! Help out NWS News!!!!

OTHER NWS NOTES: My local NWS WXL-58 in conjunction with its other stations, WXL-50 in Fayetteville and WXL-59 in Rocky Mount, which Raleigh both programs, are conducting a survey about what listeners think of their service. Well, I didn't want to so I...just kidding! Of course I dropped them a postcard and got a survey and some free brochures. You can bet I told them exactly what I think of all their programming!! You know me. Occasionally they mention conditions at home (for Bristol) so I can find out what it is doing at home. WPTF-28 mentions it also! Watch out for that DX-or listen out-and write in to NWS NEWS! 73's and the best DX to YOU!!!

WESTERN TV-DX

March 1989

John Jefferson, 4104 Spyglass Ct., Antioch CA 94509

PST

Guess I'd better get my report in before it gets too old to print. Since August, things have been fairly quiet - just a couple new LPTV's and a new 5 Meg entry from Bakersfield in the last few months.

11/27/88	gw	1130	K69FB	69	CA	Sacramento TBN
12/2/88	tr	2354	K56DZ	56	CA	135 Fresno TBN
1/2/89	tr	1728	KDOB	45	CA	240 Bakersfield

Am impressed with KDOB's signal so far. They were as good as KBAK-29 and better than KERO-23, though more prone to fading due to their lower transmitter site. KGET-17 was swamped by land mobile interference, so couldn't be assessed. On occasion, KGET is in like a local, interference notwithstanding; it'll be interesting to see KDOB under those conditions as they are cosited! K56DZ is cosited with K34AV, I'm told by a local ce, so the latter's distance is lowered to 135 on the log. Both are highly variable - K34AV goes from good color with little graininess to nothing - since they're down in the valley, not up in the mountains. K69FB, on the other hand, is a daily occurrence - sometimes usable, sometimes very faint, but always there. Log 76 (Antioch) 155 (Diablo area).

Dave Pomeroy, 1169 Webster, Topeka KS 66604-1502

CST

Not much to report, but a few catches including some December skip on some Louisiana stations I don't see here very often. One new local is K31BW from Manhattan at 45 miles. It is viewable on an indoor UHF antenna in my office at KTWU. I've seen it on the TBN list, but January 30 may have been their first day as they are quite consistent and have never faded. I saw no sign of them in late December when I was in Manhattan, but did see TBN on channel 7. I do not know if channel 7 is still on the air as I have never seen them here. K31BW must be 1000 Watts with the signal they have here. TBN K21AP in Topeka has been off for several days so TBN may have someone in the area activating new stations and doing repair work.

November 1988	3 tr 0625	KMFG	14	IA	21 Es 1730	KATC	3 LA	
3 tr 0625	K30AL	30 KS	0638	KAUT	43 OK			
(Iola	w/KOED-11)		0757	KHBS	40 AR	January 1989		
Normally KTWU-11)			11 Es 2300	WTKR	3 VA	30 tr	KMFG	
0630	KJTL	18 TX					14 IA	
	KGMC	34 OK					K31BW	
	KOKH	25 OK					31 KS	
			December 1988				45	
			21 Es 1700	WBRZ	2 LA		(Manhattan	TBN)

Michael Parks, Route 1, Box 103, Amery WI 54001

CST

November 1988	14 tr 2346	All Chicago U's		December 1988							
2 tr 0051	WEEK	25 IL	358	2359	WNDU	16 IN	402	2 tr 2101	W49AG	49 WI	187
0014	CKPR	2 ON	263		WSBT	22 IN	401	(Bloomington	WHLA-31)		
			(Finally, Bill!!)		WSJV	28 IN	402		W64AU	64, WI	155
2006	WNDU	16 IN	402	15 tr 0014	WISN	12 WI	257	(Adams	WHRM-20)		
2007	WCIU	26 IL	336		WGCV	24 WI	269	K74CZ	74 MN	99	
	WPWR	50(IL)	336		WTV	18 WI	269	(Winona	KTTC-10)		
2033	WSBT	22 IN	401	0038	WHME	46 IN	404				
2201	WNNU	13 MI	223	0105	WITI	6 WI	270				
	(Over WEAU-13)							January 1989			
	WLUC	6 MI	223					22 gw 1658	W39AF	39 WI	36

No really big opening here on November 2 as in some other parts of North America, but I did, at long last, net my first Canadian trop that morning with a station I've been trying for several years. With Canada only about 200 miles away, I can't understand why Canadian tropes are so elusive.

WHWC-28's second translator, W39AF, finally made it to the air. I had given up on them. They put out a much better signal than higher powered W57AS in Spooner.

I have just discovered KSTP-5 is going for yet another satellite (of KSAX-42) by applying for 38 in Walker. KARE-11 is also expanding their coverage with translators being built in Bemidji (K52DG), Walker (K36CG), Brainerd (K51CZ), and Wadena (K65EG).

QSL CORNER

&

LOGO'S RUM

Thomas J. Yingling, Jr., KA3TCG
221 Pinewood Rd., Baltimore, MD 21222-2345

TV & FM QSLs

ON CFGX 99.9 Sarnia, X 1415 London Rd., Clearwater, Ont. N7S 1P6. Letter in 2 weeks from John Vieser, Tech. Mgr. (Ross)

FL WLVE 93.9 Miami, 194 N.W. 187th St., zip 33168. Letter & PPC (prepared card) in 3 weeks from Roy Pressman, CE. (Ross)

GA WNCJ 88.5 Savannah, Savannah State College, zip 31404. PPC in 3 weeks from Martin Foglia, Jr. (Ross)

FL WZTA 94.9 Miami, 4330 N.W. 207th Dr., zip 33055. PPC & letter from Richard Vega, Studio Sup. in 3 weeks. (Ross)

CAKJ-7 ch. 4 Moose Jaw, X 2440 Broad St., Box 540, Regina, Sask. S4P 4A1. PPC from D. Chase, CBC Regina in 3 weeks. (Ross)

SC WCBD ch. 2 Charleston, Box 879, zip 29402. PPC & letter from Jerry Walthall, CE in 1 month. (Ross)

PA WKST 91.1 Ellwood City, X 219 Savannah Gardner Rd., New Castle, PA zip 16101. Letter in 3 weeks back from Werner Ulrich II, CE. (Ross)

MS CBHA 90.5 Halifax, Box 3000, zip B3J 3E9. QSL Card back in 1 1/2 months from Eziz Hess. (Ross)

PA WETG ch. 66 Erie, University Square, zip 16541. Letter in 10 months from Dennis A. Spagnolo, CE. (Ross)

PA WMWV 107.3 Elyria, X 24500 Chagrin Blvd., Suite 107, Cleveland, OH zip 44122. PPC from Glenn P. Smith, CE in 3 weeks. (Ross)

FL WRMF 97.9 West Palm Beach, Box 189, 1500 N. Flagler Dr., West Palm Beach, zip 33402-0189. PPC in 2 weeks from Dick Lucas, CE. (Ross)

FL WRMF 89.3 Boyton Beach, 1511 W. Boynton Beach Blvd., 33436. PPC received in 2 weeks with unsigned card. (Ross)

ON CIRV 88.7 Toronto, 1087 Dundas St. W., zip M6J 1M9. PPC & letter from Frank

Alvarez, Pres. with 22 watts erp (Ross)
FL WOVV 95.5 Ft. Pierce, Box 3032 zip 34948. Letter from Allison Stuart, Prom Dir. in 1 month. (Ross)
ON CILL-4 ch. 4 Owen Sound, X 81 Barber Grove Rd., Don Mills, ON zip M3C 2A2. PPC & letter from Alan C. Willis, Asst. Dir. of Eng. in 1 1/2 months. (Ross)
WI WLYM 102.1 Milwaukee, X 12800 W. Bluemound Rd., Elm Grove, WI zip 53122. PPC & letter from Skip Voros, CE in 2 weeks. (Ross)
WI WIXX 101.1 Green Bay, Box 1991, zip 54305. PPC back in 2 weeks from S. O. Konopka. (Ross)
OH WKKO 99.9 Toledo, 3225 Arlington Ave., zip 43614. PPC back in 16 months signed by Dave Fuller, CE. (Ross)
ON CILL ch. 22 Stevenson, X 81 Barber Greene Rd., Don Mills, ON zip M3C 2A2. PRF & letter back in 1 month from Allan C. Willis, Asst. Dir. of Eng. (Ross)
ON CBLN ch. 34 Sarnia, X Box 500, Station A, Toronto, ON no zip given. QSL Card in 1 month from Vera West. (Ross)
ON CILL ch. 7 Midland, same address for CILL ch. 22 above.
WI WRMV 102.7 Suring, P. O. Box 212, zip 54174. PPC from Alan Krane, CE in 1 1/2 weeks. (Ross)
PQ CBGAT-14 ch. 2 Carleton, X 1400 Pene-Levesque Blvd. East, Montreal, PQ zip H2L 2M2. Letter in 3 1/2 years after follow-up report from Pierre Venne, Asst. Eng. (Ross)
IN WRTB 106.5 Washington, 3 E. Van Wert, zip 47501. PPC & letter in 2 weeks from Mitchell Cooley. (Ross)
PA WEXC 107.1 Greenville, 44 McCracken Rd., zip 16125. Letter in 2 weeks from Merle G. Anderson, GM. (Ross)
OH WDFM 98.1 Defiance, Box 981, zip 43512. PPC in 2 weeks from R. R. Wigle. (Ross)
WI WAXX 104.5 Eau Claire, P. O. Box 6000, zip 54702. PPC in 1 month from R. J. Lesiuk, CE. (Ross)
IN WFRN 104.7 Elkhart, Box 307, zip 307, zip 46515. PPC & letter from Donald Baad, CE in 1 month. (Ross)
PA WBZZ 93.7 Pittsburgh, 1715 Grandview Ave., zip 15211. Letter from Chris Hudak, CE WA3PL in 12 days. (Holbrook)
PA WKYE 95.5 Johnstown, 109 Plaza Dr.,

Box 309, zip 15907. Letter from Jim Boxler, Asst. CE in 15 days. (Holbrook)
PA WRAX 100.9 Bedford, P. O. Box 672, zip 15522. Letter from Daniel R. Smouse, GM in 8 days. (Holbrook)
PA WFRJ 88.9 Johnstown, Family Radio, no address given. PPC with verie signer unreadable back in 2 months. (Ross)
CT WHCT ch. 18 Hartford, 18 Garden St., zip 06105. Letter and a WHCT Notepad, said my report furthest to date, signed by Paul A. Rossi, CE in 1 month. (Ross)
PA WOGL 98.1 Philadelphia, City Ave & Monument Rd., zip 19131. Letter from unreadable person, but did send qsl letter, & a WOGL T-Shirt, back in 9 days. (Holbrook)
PA WMWK 104.1 Harrisburg, P. O. Box 104, zip 17108. Letter from Thomas L. Walker, CE back in 6 days. (Holbrook)
PA WSKE 104.3 Everett, P. O. Box 187, zip 15537. QSL Card back with no signer with info on station. WSKE-FM is simulcast with WSKE-AM Stereo using the C-Qum w/NRSC (?) and "Interested in reception notes of DX'ers on WSKE-AM stereo, separation, etc." Reply in 17 days. (Holbrook)
VA W20BAD 89.5 Winchester, X WCRH-FM, Route 2, Box 325, Williamsport, MD zip 21795. Letter back from Jeff Haarer, CE. Remarks- "Our translator in Winchester, VA operates with one watt into each polarization of two dual, polarized antennas. The FCC limits FM translators to one watt east of Mississippi. We are using two Sitco ECCP series antennas, a gain of 13 db & at a height of 100 ft." Receiving location was on a DXpedition parked on Rt. 9 at scenic overlook. This is just over the West Virginia line between Hillsboro, VA & Charleston, WV about 20 miles from Winchester, VA. (Holbrook)
OH WDOK 102.1 Cleveland, 1250 Superior Ave., zip 44114. PPC send back signed by Ted Alexander, CE in 3 months after follow-up report was send. Send coverage-map with PPC qsl. (Holbrook)
ON WBBG 93.3 Youngstown, 418 Knox St., zip 44502. PPC back in 3 months after 1 follow-up report send, came back with unreadable verie signer. (Holbrook)
PA WHTM ch. 27 Harrisburg, 3235 Hoffman St., zip 17110. Letter from Don Landis, CE

in 3 months after 1 follow-up report send. (Holbrook)

CT WIMS ch. 26 New London, 216 Broad St., zip 06320. PPC send back in 2 months signed by Steve R. Ellis, CE. On first report only send back a movie schedule without qsl. (Holbrook)

MS WMAM 88.1 Jackson, P. O. Box 4343, zip 39216-0343. Letter back from Mike Morgan, Dir. of Radio back in 5 months after 1 follow-up report. "Just so we'll both feel better, I'll blame the postal system for not getting your orginal letter to us. We are always happy, and usually prompt to return verification letters." (Holbrook)

AL WHOD 107.9 Jackson, Box 518, zip 36545. Letter from William R. Vogel, Jr. Mgr. "At lease for the 10 year period I've been here, your reception of our FM signal is the farthest we have ever received notification of signal reception. Thanks for your persistence." Also send papa-military visor car via UPS. (Elving)

GA WVOH 93.5 Hazelhurst, P. O. Box 757, zip 31539. Letter from Wilbur G. Heath, Asst. Mgr. & CE says "It was exciting to find someone so far away receiving our signal, and what was even more surprizing that it was in full stereo." Also sent business & cap via UPS. (Holbrook)

MN KMSU 89.7 Mankato, Mankato State University, Box 153, zip 56001. Letter from William A. McGinley, GM send a long letter, with program guide. (Elving)

MN KM0J 89.9 Minneapolis, 501 Bryant Ave. N., zip 55405. Letter from Nolan Cramer, CE says "maybe a weather-balloon on EFO of sorts served as a relay" for their greatest distance logging. (Elving)

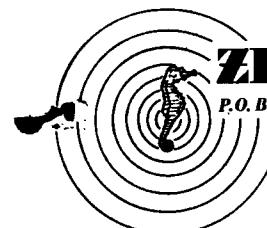
MS WMAM 90.3 Bilexi & WMAM 88.9 Bade, X P. O. Box 4343, Jackson, MS 39216-0343. Both from same address. Letter from David Miller, Program Director. (Elving)

SD KKYA 93.1 Yankton, Box 625, zip 57078. Letter from Randy Kusseman, Operations Manager verifies claiming my reception was "skip" & mentions being heard in KY, MO, & SD. Id's as KK-93 (Elving)

TX KSBJ 88.1 Humble, P. O. Box 187, zip 77347. Letter from Randy Chez, Announcer who I called up on a Sunday afternoon in

TURABO RADIO CORPORATION

P.O. BOX 487 - CAGUAS, PUERTO RICO 00625 - TEL. 744-3131



P.O. Box 652, Hamilton, Bermuda Telephone 2-4444



...UNA EMISORA DISTINTA

WNEL-AM-CAGUAS

... 1430 Khz 5,000 Watts

WPRM-FM-

98.5 MG 25,000 Watts hoz.
25,000 Watts Vert.

order to get a person who would verify - a new trick I am employing for stations not answering two (2) reports.) "I appreciate your call the other day, and it was 88 FM (now 89.3), and to my knowledge, yours is the most distant of all calls received. The frequency change has plus and minuses - mostly pluses; change always seems to bring some stress points, but by and large the move has been a great lift" (Elving)
TX KADE 89.5 Weatherford, P. O. Box 1809, Dallas, TX. With an unsigned note of "We do not QSL our FM stations. Only shortwave. Have had 1800+ miles reported all FMs (Pacific Islands listener). Would any of you count as QSL, or do you know somebody in that organization whom might be friendly to FM DXers and slip a verification through to me? (I am considering this a verification, because they do answer my question about the most distant listener and they do not say that I heard KADE 1" (Elving)
TX KVME 89.5 Tyler, P. O. Box 8525, zip 75711. Letter from Rich Landry, announcer, after my calling him to find a "pen pal". He writes "Our staff praises God continually for the weather conditions that allow KVME signal to reach areas that technically it shouldn't be able to. He also mentions that the station has been heard far north as Ontario & south as Belize. (Elving)
MI WKHQ 105.9 Charlevoix, P. O. Box 237, zip 49720. Letter from Mark Kage, Operations Dir. mentions also getting skip report from FL & CA as well as tropo to Green Bay. "That's pretty mind-blowing for FM" Also send bumper sticker & coverage-slip. (Elving)
MN KDOG 96.7 North Mankato, Box 1420, zip 56001. Letter from Sandy Hooker send bumper-stickers for both AM & FM station. She says she has been heard in Sweden, Finland, & Scotland. (Elving)
NE KBRR 92.7 Ainsworth, 122 East Second St., zip 69210. Letter from Randy Brudigan writes "Your report of reception is from the greatest distance reported here. Our operating hours are Monday thru Saturday 6am to 10 pm & Sunday 7am to 10pm. (Elving)
TX KACC 91.3 Alvin, 3110 Mustang Rd., zip 77511. Letter from Wendy Mohon, News

TELEVISION NACIONAL, S. A.
CANAL 4. LA HABANA Y CANAL 3. SANTA CLARA

DIRECCION Y VENTAS:
TELÉFONO F-6412
EDIFICIO SINCLAIR, 21 Y O
VEDADO, LA HABANA
CUBA

DPTO. PROGRAMAS Y ESTUDIOS.
TELÉFONO UG-9386
SAN MIGUEL Y MAZON
LA HABANA

Dir. noting the station is only 800 watts, rock formatted "Our on-air staff was very impressed that they were heard from that far away". (Elving)

TX KKED 90.3 Corpus Christi, P. O. Box 416, zip 78403-0416. Letter from Dodee Sheffield, Radio Coordinator send letter, & bumper sticker. says they were heard in FL & DC. (Elving)

MI WKBH 105.5 Trempealeau, X 512 Holmen Square, Holmen, WI zip 54636. Letter from Pat Delaney, Op. Mgr. says "I'm amazed that you had enough signal to pull down the subcarrier also. (Elving)
NC MMWY ch. 3 Wilmington, P. O. Box 2068, zip 28402. Letter with transmission facilities info from E. G. Hunter, CE in 8 days. (Wolf)

MI WSYM ch. 47 Lansing, 600 W. St. Joseph St., zip 48933. Letter from Larry A. Estback, CE. "We appreciate receiving long distance reception reports such as yours and I wish you the best of luck in your hobby." Sase was used & reply in 15 days. (Wolf)

OH WLIO 35 Lima, P. O. Box 1689, zip 45802. Letter which includes station info from Frederick R. Vobbe, CE. Also send business card, WLIO folder with CATV & market area info & booklet about their stereo broadcast in 8 days. (Wolf)

ON CBLN ch. 56 Kitchener, X Box 500, Toronto, ON zip M5W 1E6. QSL Card back from Vera West in 1 month. (Ross)
ON CBLN ch. 45 Wingham, same address as above.

IN WIBC 104.1 Muncie, 800 E. 29th St, zip 47302. PPC & letter from Burl A. Dixon, CE in 10 days. (Ross)
OH WDIF 94.3 Marion, Box 10000, 355 E. Center St., zip 43302. PPC & letter from Jim Williams, Prog. Dir. in 3 1/2 months. (Ross)

ON CBCK 107.5 Kingston, X CBC Box 500, Station A, Toronto, ON zip M5W 1E6. PPC & letter in 2 months from Jeanette Haas. (Ross)
MS WGUD 106.3 Pescagough, Box 307, zip 39567. PPC in 1 month after 1 follow-up report from Al Parker, Pro. Dir. (Ross)
OH WDON 104.9 Geneva, 95 W. Main St, Box 406, zip 44041. PPC in 1 month from

Geoff Freeman, Mgr. (Ross)
MS WCKO 98.7 Jackson, 1855 Lakeland Dr, Building "D", zip 39216. PPC in 7 months from Terry Stenzel, CE. (Ross)

TX KYKS 105.1 Lufkin, Box 2209, zip 75901. Letter from Mark Anthony, DJ in 7 months. (Ross)

SD KSLT 107.3 Spearfish, Box 845, zip 57783. Card back in 3 months from Gary Myrick, CE. (Ross)

TX KOJO 94.1 Ft. Worth, 7700 Carpenter Freeway, zip 76247. Letter in 2 months from George Whittaker, CE. (Ross)

PA WHPA 104.9 Harrisburg, X Box 464, Hollidaysburg, PA zip 16648. Letter in 2 months from Gary Magill, CE. (Ross)

Bermuda ZFB-FM 94.9 Hamilton, P. O. Box 652. A 1972 qsl report item with letter from Ron E. Evans, Station Manager, with reply back in 1 month. (Holbrook)

PR WPRM 98.5 Caguas, P. O. Box 487, zip 00625. A 1973 qsl report item with letter from Jesus M. Soto, President, with reply back in 1 month. (Holbrook)

MN KUND 89.1 Duluth, University of Minnesota, no zip given. Letter from Joseph P. Zebsaugh (??), Dir. of Eng. letter back 15 days. (Holbrook)

With this month I have used up all of the qsl items that I had on file. I hope I have not missed any items. I did had to drop some for use, because of things missing; like address, call sign & frequency. Just because a station is in a small town, the complete address is needed. The zip plus 4 will not be enough. In my last column I got a little sarcastic to get a point across about the way I do this column. I hope I didn't get too many members mad at me. If you have a list of stations that will not verify any report, send me the list in. Also, send in the way you report your reception for qsl. Bruce Elving says "Most of my follow-ups reception reports, I used postcards this time, and found that technique quite effective." I do have some letter qsl photos that I try to use in future.

MONTS/VORTEX WEATHER CENTER

Omaha Council Bluffs Lincoln

TVWORTH WATCHING
PRAIRIE PUBLIC-TV

Prairie Public Television telecasts on Ch. 2, Grand Forks; Ch. 3, Bismarck; Ch. 4, Williston; Ch. 6, Minot; Ch. 9, Dickinson; and Ch. 13, Fargo.

WJCL

TV22

S-A-V-A-N-N-A-H

4
WHIPER-TV
QUAD CITIES

13
WEAVER-EAUCLAIRE



GPTV 8/18

Athens/
WGTW
Chatsworth/
WLCP

NEWSLINE 9
WAOW-WAUSAU

WPWR-TV 50 3
WSTM-TV
SYRACUSE

20 WYCC

30 WFW 12
KDNL-TV

21 WLTZ TV-38
ACTIVE 8

WZDX 33
WEAU 13

KIMT-TV 5
ACQUAMARINE

PHOTO NEWS

MARCH

1989

Jeff Kadet - Macomb, Illinois starts us off this month with a foto of a Texas translator he seen last summer. Looking in his DX shack you'd find: Zenith 9" b&w, Zenith 12" b&w, Zenith N1310, Zenith Y1310 (all circa 1979-1982), Channel Master 1110 with CP 3800 peramp, RG-11 at 50'. Channel Master 7" dish with PA 4975 peramp w/.500 cable at 55', Winegard 5 element low band vertically polarized at 20' (equipment info from Dec. 1988 WESTERN TV-DX page 24).



Mailing Address:

PHOTO-NEWS - P. O. Box 155 - Clarence, NY
14031-0155 U.S.A.

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EDITED BY
David J. Nieman

PHOTO NEWS

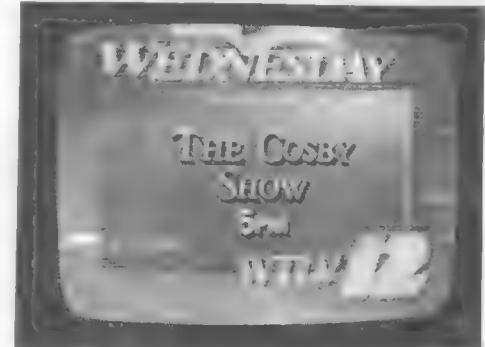
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Dxpedition equipment used by John was: 4-bay UHF antenna at 18' above ground, small VHF/UHF "motor home" type antenna at 15' above ground, both turned by "Arm-strong" (no assembly required---djm) rotor, Sears 9" b&w TV. (what! no preamps....I never go on a dxpedition without one---djm)

WTLV-12
Jacksonville, FL
232 mile tropo
seen Nov. 9, 1988



WJKS-17
Jacksonville, FL
232 mile tropo
seen Nov. 9, 1988



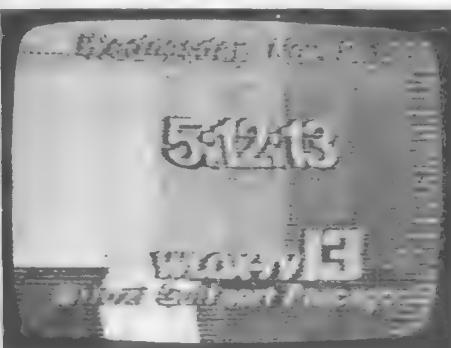
W29AB
Ocala, Florida
195 mile tropo
seen Nov. 9, 1988
W29AB is a translator of, WTOG-44
St. Petersburg, FL



Last November, John F. Combs (EASTERN TV-DX column editor) Jacksonville, Florida went on a camping trip/dxpediton to St. Joseph Peninsula State Park which is near Port St. Joe in the Florida panhandle. The following fotos are just a few of the stations seen " tropo was hot and heavy and there was even some E-skip! 149 stations logged in 7 days!"



WJCT-7
Jacksonville, FL
231 mile tropo
seen Nov. 9, 1988



WLOX-13
Biloxi-Gulfport-Pascagoula, MS
230 mile tropo
seen Nov. 9, 1988
at 0512:13 CSTime

PHOTO NEWS

MARCH 1989 PAGE 3

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Bill Eckberg is next with DX fotos taken at his home in Dixon, Illinois. In his DX shack he has a 1966 Zenith b&w receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamp on a 40 foot tower.



XHRI0-2
Matamoros, Tam
1201 mile E-skip
seen May 27, 1988
at 2055 CDT time
"no H"



KXLF-4
Butte, Montana
1151 mile E-skip
seen May 30, 1988
at 0050 CDT time
"sign-off"



KACB-3
San Angelo, TX
933 mile E-skip
seen June 9, 1988
at 1100 CDT time
Satellite of KRBC-9 Abilene, TX



WTTK-29
Kokomo, Indiana
188 mile tropo
seen June 1988
Satellite of WTTV-4 Bloomington IN
"new on air"
more from John & Bill next time...
DAVE

CANADIAN COAST GUARD GARDE CÔTIÈRE CANADIENNE CONTINUOUS MARINE BROADCASTS

by William R. Hepburn

CONTINUOUS MARINE BROADCASTS are made throughout Canadian waters by Transport Canada's Coast Guard Radio Stations. These stations provide continuous 24-hour marine weather and notices to shipping broadcasts.

This listing updates the last CMB list compiled in the Mar. '81 VUD. A number of stations have since been shutdown and remoted from nearby stations. Some not so 'nearby' ... for example, the Churchill MB broadcasts are now made from the Thunder Bay ON studio! Overall though, the network continues to expand.

The first CMB outlets went on the air in Ontario back in 1974. A few years later, scheduled broadcasts on 2598 kHz were discontinued in Ontario and the St Lawrence Valley but were retained on the Atlantic Coast. Broadcasts in BC on 1630 kHz were shifted to 2054 kHz. These MF broadcasts are still used by ships outside of VHF range.

Few stations use their call-signs on the air and now tend to identify as "Toronto Coast Guard Radio", etc. The repeater or "peripheral" stations use the same call-sign as the parent station.

The primary CMB Frequencies are the maritime channels 21-B (161.65), 83-B (161.775), and 25-B (161.85). On the Pacific coast, the weather channels WX-2 (162.40), WX-3 (162.475), and WX-1 (162.55) are also used despite these being assigned to Environment Canada's Weatheradio Network. In Northern Canada, broadcasts are made on ch. 26-B (161.90) on a scheduled basis only.

Many U.S. Coast Guard stations continue to make scheduled broadcasts on ch. 22-A (157.10). An up-to-date listing will be made soon. The USCG stations however are harder to receive since their broadcasts are not continuous ... typical broadcasts being only 10 minutes in length.

S - scheduled broadcasts only.
Powers listed are ERP in watts.

CONTINUOUS MARINE BROADCASTS

Call	Freq	Power	Location	VCC	161.65	60	QUÉBEC PQ [FF/EE]
VAJ	161.65	181	PRINCE RUPERT BC		161.65	60	CAP EST PQ
	162.40	1.1	BARRY INLET BC		161.775	60	MONIMAGNY PQ
	162.475	4.3	CUMSHEWA BC		161.65	60	RIVIÈRE-DU-LOUP PQ
	162.40	5	DUNDAS ISLAND BC		161.775	60	SACRÉ-COEUR PQ
	162.40	5	GILL ISLAND BC	VCF	161.775	60	MONI-JOLI PQ [FF/EE]
	161.65	54	KITIMAI BC		161.65	-	GROSSES-ROCHES PQ
	162.55	5	KLEMITU BC	VCK	161.65	60	SEPI-ÎLES PQ [FF/EE]
	162.40	2.8	NADEN HARBOUR BC		161.85	-	HARRINGTON HBR. PQ (Apr 1-Dec 31 only)
	162.55	3.5	VAN INLET BC		161.775	-	LA ROMAINE PQ (Apr 1-Dec 31 only)
VAF	162.55	63	ALERT BAY BC		161.775	60	MINGAN PQ
	162.40	4.0	CALVERT ISLAND BC		161.775	-	MONT-LOUIS PQ
	161.65	79	HOLBERG BC		161.65	-	NATASHQUAN PQ
VAE	161.65	9	TOFINO BC	VCG	161.65	60	RIVIÈRE-AU-RENARD PQ [FF/EE]
	162.40	23	NOOTKA BC		161.65	-	CARLETON PQ
	162.40	26	PORT ALBERNI BC		161.775	-	NEWPORT PQ
	162.55	3.3	PORT ELIZA BC	VCN	161.65	100	ÎLES DE LA MADELEINE PQ (Grindstone CGR) [FF/EE]
VAC	162.55	83	COMOX BC	VAU	161.775	100	YARMOUTH NS
	161.65	3.0	DISCOVERY MTN BC		161.775	100	BLOMINDON NS
VAK	162.475	18	VICTORIA BC		161.65	100	LOCKEPORT NS
VAI	162.475	18	BOWEN ISLAND BC (Vancouver CGR)		161.65	100	SAINT JOHN NB
	161.65	7	MAYNE ISLAND BC	VCS	161.65	100	HALIFAX NS
SUBA	161.90	48	FRASERWOOD MB (Thunder Bay CGR)		161.775	100	ECUM SECUM NS
	161.90	50	JACKHEAD MB	VCO	161.65	100	SYDNEY NS
	161.90	48	LONG POINT MB		161.775	100	BAY ST. LAWRENCE NS
	(* sked 0630 0830 1230 1730 1930 CDT May 1-Nov 30 only)				161.65	100	FOX ISLAND NS
					161.775	251	SABLE ISLAND NS
SUBA	161.90	50	CHURCHILL MB (Thunder Bay CGR)	VCA	161.65	100	CHARLOTTE TOWN PE [EE/FF]
	(* sked 0910 2035 CDT Navigation Season only)				161.775	100	CAP-EGMONI PE
UBA	161.65	112	THUNDER BAY ON		161.65	100	POINT ESCUMINAC NB
	161.65	68	ROSSPORT ON	VOK	161.65	450	HAPPY VALLEY-GOOSE BAY LB/NF (Labrador CGR)
UBB	161.65	204	SAULT STE. MARIE ON		161.775	450	CARTWRIGHT LB/NF
	161.775	257	BALD HEAD ON	VOJ	161.65	450	STEPHENVILLE NF
	161.775	170	SILVER WATER ON		161.775	450	FRENCHMAN'S COVE NF
					161.65	450	RAMEA NF
UBC	161.775	229	MEAFORD ON (Wiarton CGR)	VCM	161.775	450	ST. ANTHONY NF
	161.65	191	KILLARNEY ON (Apr 1-Dec 31 only)		161.65	450	CONCHE NF
	161.65	190	POINTE AU BARIL ON		161.65	450	PORT AU CHOIX NF
	161.65	282	TOBERMORY ON		161.65	750	ST. LEWIS LB/NF (proposed Sep 89)
UBE	161.65	138	SARNIA ON	VOO	161.65	450	COMFORT COVE NF
	161.775	251	KINCARDINE ON		161.775	450	TWILLINGATE NF
UBE	161.65	191	PORT BURWELL ON (Sarnia CGR)	VCP	161.65	450	ST. LAWRENCE NF
	161.775	229	LEAMINGTON ON		161.775	450	FORTUNE NF
VBG	161.775	200	PELKAM ON (Toronto CGR)		161.775	450	ST. SHOTIS NF
	161.65	234	COBOURG ON	VON	161.65	450	ST. JOHN'S NF
	161.65	151	ORILLIA ON (Apr 1-Dec 31 only)		161.65	450	BONAVISTA NF
VDQ	161.65	195	CARDINAL ON		161.65	450	HEART'S CONTENT NF
	161.775	78	CORNWALL ON (Apr 1-Dec 31 only)	SUFA	161.90	91	INUUIK NT
	161.775	158	KINGSTON ON		(* sked 0935 2135 MDI Navigation Season only)		
UFN	161.65	60	MONTRÉAL PQ [FF/EE]	SUFN-8	161.90	-	NORMAN WELLS NT
	161.85	-	RIGAUD PQ		(* sked 0835 1915 MDI Navigation Season only)		
	161.775	60	TROIS-RIVIÈRES PQ	SUFH-3	161.90	95	HAY RIVER NT
					(* sked 0730 1930 MDI Navigation Season only)		
				SUFC	161.90	148	CAMBRIDGE BAY NT
					(* sked 1005 2205 MDI Navigation Season only)		

* shared part-time repeater
also relays XLK-473 162.55 HALIFAX NS
(Webtheradio Canada)

WTFDA ROSTER

ADAMS,	JOHN M	SEASIDE	OR
ADEN,	FRANK, JR	BOISE	ID
ALBERTIN,	ERIC	MILWAUKEE	WI
ALISAUSKAS,	BILL	DOUGLASVILLE	GA
ALLEN,	DOUGLASS M	WOODLAND PARK	CO
ALPERT,	DAVID R	NEW YORK	NY
ANTHONY,	LEE C	ERIE	PA
ARAI,	MASAHIKI	TANASHI-CITY	JAPAN
ARGILAGUET,	JOSEP BRUNO	REUS	SPAIN
BACA,	LEE	REDWOOD CITY	CA
BAKER,	ROBERT	HUMBOLDT	IA
BARKOW,	GERALD	MORRIS PLAINS	NJ
BARSTOW,	ROY	TEATICET	MA
BARTEK,	DANIEL, JR.	WAHOO	NE
BARVINCHAK,	MARTY	GLENNSHAW	PA
BAUMGARTEN,	JOHN	TOHAK	WI
BEAUDIN,	JERRY	CURTIS	MI
BERG-ANDERSSON,	RICHARD E	WOODSIDE	NY
BERNSTEIN,	MURRAY	BROOKLYN	NY
BIGLEY,	ARTIE	SAN ANTONIO	TX
BLAIR,	KENNETH E	LEBANON	PA
BLUE,	WILLIAM E	EL CAJON	CA
BOGART,	DAVID	EL CAMPO	TX
BORTREE,	ROGER	WICHITA	KS
BREWER,	DAVID L	SAN ANTONIO	TX
BRIESCHKE,	SUE	MAKANDA	IL
BROOMALL,	JOHN O	WALESKA	GA
BROWN,	JAMES, JR	ARLINGTON	VA
BROWN,	JEFFREY A	ALEXANDRIA	IN
BROYLES,	CHARLES W	PITTSBORO	NC
BRUMFIELD,	DAVID	RICHMOND	IN
BRYANT,	TOM	NASHVILLE	TN
BUEHLER,	JOHN	TOLEDO	OH
BUGAJ,	MIKE	ENFIELD	CT
BUNTIN,	DANNY	STILLWATER	OK
BURGOS,	JORGE	SAN JUAN	PUERTO RICO
BURKE,	MICHAEL A	WESTMINSTER	MA
BURNHAM,	CHARLES	NEW YORK	NY
BURROWS,	BILL	GLouceSTER CITY	NJ
BYTHEWAY,	PHIL	SEATTLE	WA
CAMPAGNA,	LOUIS	PHILADELPHIA	PA
CAMPBELL,	JIM	TOWNVILLE	SC
CARPENTER,	ROBERT J	ROCKVILLE	MD
CASTRO,	MANUEL	SPAIN	
CAVASENO,	VINCENT	NEW YORK	NY
CEVONE,	FRANK	CHICAGO	IL
CHANG,	WALTER	HILo	HI
CHARBONNEAU,	FC2 KENNETH	FPO MIAMI	FL
CHAREST,	MICHEL	MONTRÉAL	QUEBEC
CHERNOS,	SAUL	ORILLIA	ONTARIO
CHILD,	KEITH	KINGS PARK	NY
CHINSKY,	MARK	GLEN HEAD	NY
CHUDOFF,	STEVE	PHILADELPHIA	PA
CIANCIOLI,	PAUL A	HARWINTON	CT
CIMINO,	SAM C, JR	GROVES	TX
CLAMPIT,	TIM	BROOKLYN	MI
CLARK,	RICHARD	LA VEGA	DOM REP
CLARK,	GARY T	JOHNSON CITY	TN
CLEMMER,	JOHN	EAST MOLINE	IL
COBBLE,	JIM	ST PETERSBURG	FL
COLE,	STEVEN F	ATLANTA	GA
COLEMAN,	BILL, WIST	LOBELVILLE	TN
COMBS,	JOHN F	JACKSONVILLE	FL
CONIGLIO,	GREG	WILLIAMSVILLE	NY
COOPER,	ERNEST R	PROVINCETOWN	MA
COOPER,	BOB	FORT LAUDERDALE	FL
COOPER,	GENE	LOMPOC	CA
CORNELL,	STEVEN	HARTSDALE	NY
COTTON,	EDWARD R	CHESAPEAKE	VA

COX,	JOE B	DUNWOODY	GA
CRAWFORD,	KENT T	PARK RIDGE	IL
CRAWFORD,	ROOSEVELT	JUNCTION CITY	KS
CREGO,	PAUL R	LOCKPORT	NY
CRONIN,	WAYNE N	TEMPE	AZ
CRONIN,	TIM	WORTH	IL
CUNNINGHAM,	MICHAEL	HARRISVILLE	WV
CURVIN,	DAVID	SAN ANTONIO	TX
DEAN,	DENNIS D	HUBER HEIGHTS	OH
DEMOSS,	DAVID W	HARRISBURG	PA
DERMODY,	STEPHEN	SYRACUSE	NY
DIETRICH,	JIM	DERBY	KS
DISHONG,	MELVIN G	KENNESAW	GA
DOLE,	STEPHEN	FREDONIA	NY
DRAEB,	BILL	KEMAUWEE	WI
DULMAGE,	BILL	COLBORNE	ONTARIO
DUNN,	DAVID M	COLUMBUS	OH
DUTKIEWICH,	ALEXANDER	STROUD	ONTARIO
DYER,	PAT, WASIYX	SAN ANTONIO	TX
EBELING,	JOHN	BLOOMINGTON	MN
ECKBERG,	WILLIAM	DIXON	IL
EDDIE,	RICHARD	ST LOUIS	MO
EDDY,	ROBERT	NEWPORT	OH
EDWARDS,	DON	CARTERSVILLE	GA
ELLIS,	ALBERT H	BRANTFORD	ONTARIO
ERDNER,	JON W	PITTSBURGH	PA
ERICKSON,	DON	RIVERSIDE	CA
ESTES,	PAUL	KEMANEE	IL
FADER,	ERIC	PEEKSKILL	NY
FAHBER,	BILL	BRIDGETON	NJ
FALCONER,	JEFF	CLINTON	ONTARIO
FEIDT,	WILLIAM B	KENSINGTON	MD
FELA,	JOE	SOUTH PLAINFIELD	NJ
FISCHER,	ROBERT E	FAIRBANKS	AK
FORD,	WENDELL	WESTVILLE	IN
FOUNTAIN,	GALEN	HARRISON	AR
FOXWORTH,	ROBERT	UPTON	NY
FRIEDBERG,	IRA K	BAYSIDE	NY
FRITZ,	DONALD J	DOWNEY	CA
FRYE,	EDWARD B	SAUGUS	CA
FUGLESTAD,	KJELL	NORWAY	
FUSS,	LARRY G	OPELIKA	AL
GAFFNEY,	JOSEPH T	APO SAN FRANCIS	CA
GAINES,	PAUL	DETROIT	MI
GAUTHIER,	CHARLES	BROSSARD	QUEBEC
GEORGE,	PETER Q.	BROCKTON	MA
GERMOND,	AL	COLUMBIA	MO
GEYMAN,	MARK J	SOUTH EUCLID	OH
GILL,	JIM	BRADENTON	FL
GILMORE,	RONALD	FRANKFORT	OH
GLEITZ,	RICHARD W	YORK	PA
GLOVER,	CALVIN A, JR	BALTIMORE	MD
GOLDBERG,	LENNY	ASHLAND	OR
GOODMAN,	ROBERT	CHICAGO	IL
GOULD,	JIM	BRONX	NY
GRANDJEAN,	NEIL	KOKOMO	IN
GRANT,	ROBERT	CROPSLEVILLE	NY
GRAVELLE,	ROGER	DETROIT	MI
GRAYSON,	CHARLES F	SOMERSET	NJ
GREENING,	RON	CANTON	IL
GRIFFIN,	NEIL	OTTUMWA	IA
GRIFFITHS,	JOHN	JERSEYVILLE	ONTARIO
HAMMER,	DAVID A	COLUMBUS	OH

WTFDA ROSTER

HANLEY,	CHRISTOPHER	GALESBURG	IL
HARDEN,	DAVID H	APO	NY
HARDISON,	GREGORY S	MISSION HILLS	CA
HARRINGTON,	T P	COLUMBUS	OH
HART,	GERARD	NIAGARA FALLS	NY
HATTAN,	CARL	MELBOURNE	FL
HAUSER,	GLENN	ENID	OK
HAYES,	HARRY	WILKES-BARRE	PA
HEPBURN,	WILLIAM R	MISSISSAUGA	ONTARIO
HEULWYCK,	M	FORT-DE-FRANCE	MARTINIQUE
HIGGS,	WILLIAM	MOUNTAIN VIEW	CA
HOGAN,	MICHAEL L	BURNHAM	IL
HOLBROOK,	HANK	DUNKIRK	MD
HOLLIS,	MICHAEL P	MARY ESTHER	FL
HOOD,	SCOTT M	BEVERLY	MA
HORVITZ,	ROBERT	FALLS CHURCH	VA
HOTSTLER,	ADAM	ROAD TOWN	B Y I
HOWIE,	ROBERT S	MATTHEWS	NC
HOWINGTON,	CARLON	ST PETERSBURG	FL
HUYLENBROEK,	MICHEL	GENT	BELGIUM
JACOBS,	LEONARD	STATEN ISLAND	NY
JACOBY,	INGRAM,	MARSHALL	LACONIA
JAFFEE,	INGRAM,	CHARLES	ONTARIO
JAMES,	JACKSON,	CHARLES J	INDIANAPOLIS
JANOWIAK,	DAVE	GREENFIELD	WI
JEFFERSON,	JOHN M	ANTIOCH	CA
JENSEN,	GEORGE	BALTIMORE	MD
JOHNSON,	CHRISTOPHER	MEMPHIS	TN
JOHNSON,	WILLIAM	CLARENDON HILLS	IL
JOSLUN,	NEIL A	WAUKEGAN	IL
KADET,	JEFF	MACOMB	IL
KINGSBURY,	JAMES M	GRANTSVILLE	WV
KINNALLY,	PAUL E, JR	DEDHAM	MA
KIRBY,	KEVIN	OSHAWA	ONTARIO
KOPEC,	ALBERT J	DUNDEE	NY
KORN,	JIM	SAN FRANCISCO	CA
KOSINSKI,	JOHN, JR	STAMFORD	CT
KOWALSKI,	ED	PHILADELPHIA	PA
KRETSCHMER,	WILLIAM	NORTH SYRACUSE	NY
KRUSZKA,	JEFF	RICHLAND	WA
LAGRANGE,	WALTER E	CHATTANOOGA	TN
LANE,	HAROLD E, JR	CARLISLE	MA
LANGRIDGE,	ROBERT, JR	WICHITA	KS
GORD,	N VANCOUVER	B C	
LAPINSKI,	MICHAEL W	JAMESTOWN	NY
LAUN,	ALFRED A, II	TEMPLE HILLS	MD
LEBLANC,	RON	MARRERO	LA
LEGLER,	DAVID	ROCHESTER	MN
LENTZ,	JOHN	MUSKEGO	WI
LEWIS,	L M	KANSAS CITY	MO
LINDSAY,	WILLIAM H	LYNNWOOD	WA
LISZKESKI,	TED S	PARAMUS	NJ
LOBEL,	ALBERT S	SAN DIEGO	CA
LOGAN,	JOSEPH D, II	DALEVILLE	VA
LOMBARDI,	NICK	ATLANTA	GA
FRANK,	LITTLETON	C O	
LUAMA,	ROD	LIVONIA	MI
MANCUSO,	GUS	HYATTSVILLE	MD
MANN,	OSCAR J, JR.	MAYFIELD HEIGHT	OH
MANNING,	PHIL	JOLIET	IL
MANUCCI,	JOSEPH B	NEW HAVEN	CT
MANUCCI,	MICHAEL	WESTERLY	RI
MARSHALL,	DONALD D	GREAT FALLS	MT
MARX,	JOHN C	MADISON	WI
MASHER,	JOSEPH F	TROY	NY
MASON,	LARRY	ROME	GA
MCABEE,	DOUG	GOODRICH	MI
MCCORMACK,	FRED	FARGO	ND
MCCOWN,	LOWELL E	AUXIER	KY
MCINTOSH,	W R	GRANADA HILLS	CA
MCKEE,	SAM	DECATUR	IL
MCNEELY,	MICHAEL	EVANSVILLE	IN
MCVEY,	TIM	ELLIOTT CITY	MD
MEADE,	LARRY	CHICAGO	IL
MERRILL,	FRANK	MACOMB	IL
MESSMER,	KEVIN	SEA CLIFF	NY
MICHAELS,	RICHARD J	SAN PEDRO	CA
MICHALEK,	ALAN	SPRINGFIELD	MA
MIGLEY,	WILLIAM J	LANCASTER	OH
MILEON,	GEORGE	LYNN	MA
MILLER,	JAMES G	LONDON	ONTARIO
MILLER,	JAY	TOMS RIVER	NJ
MILTIER,	RANDY	SAN JOSE	CA
MISHLER,	THOMAS	LAPEER	MI
MITSCHLER,	PAUL	ALBUQUERQUE	NM
MONTI,	GREGORY	ARLINGTON	VA
MOODY,	DAVID	WEST PORTSMOUTH	OH
MOORE,	CARL	BRATTLEBORO	VT
MOUNT,	PAUL R	TEANECK	NJ
MOYER,	NOBEL A	MIDDLEBURG	PA
MURPHY,	SEAN	BOSTON	MA
MURRAY,	MELVIN J	BURKE	VA
NAGEL,	ERIK	TAYLORS	SC
NAHIRNIAK,	JAMES J	WARREN	MI
NELSON,	JUSTIN G	CONCORD	MA
NELSON,	KURT	LANGHORNE	PA
NIEMAN,	DAVID J	AKRON	NY
NIENAJADLY,	BILL	CLIFTON	NJ
NOFFSINGER,	KEN	TIFF CITY	OH
NOLLMAN,	WILLIAM N	BOZRAH	CT
NORDQUIST,	FRED	CLAY	NY
O'CONNELL,	MICHAEL	LOST GATOS	CA
O'CONNOR,	ROD	KODIAK	AK
OLSON,	GARY	LAKE FOREST	IL
ONKEN,	DR ULRICH	DORTMUND WEST GERMAN	
ONYSCHUK,	KEN	COUNTRY CLUB HI	IL
OPRISKO,	PETER	WHITING	IN
ORTEGA,	SALLY	SAN JOSE	CA
OVERDIECK,	MELVIN H	HOPKINS	MN
PANTAZES,	ROBERT	NORTHFIELD	NJ
PARADES,	STEVEN	MILLVILLE	NJ
PARILLO,	JOHN	GIRARD	OH
PARKS,	MICHAEL	AMERY	WI
PATTON,	WALTER	WILLOWDALE	ONTARIO
PEPIN,	ALAIN	ST-JEAN-SUR-RIC	P Q
PERGE,	JOE	NEWARK	OH
PETRI,	ALAIN	CANE BAY	U S V I
PIZZI,	JIM	PASO ROBLES	CA
POMEROY,	DAVE	TOPEKA	KS
PONDER,	STEPHEN H	SHREVEPORT	LA
PRICE,	LESLIE E	WILMINGTON	NC
PUGH,	KEITH D	NEW HOPE	AL
PURDUE,	RONALD	BYRON	MN
QUAGLIERI,	AL	ALBANY	NY
RAMES,	CLIFF	HOLLYWOOD	FL
RAMSEY,	JOHN	WEST HARTFORD	CT
REESE,	RICHARD	JERSEY SHORE	PA
REID,	KERMIT	COLLEGE PARK	GA
REID,	MIKE	NORTH YORK	ONTARIO
REID,	ANDY W	PETERBOROUGH	ONTARIO
REMMER,	LESLIE	OLYMPIA	WA
RENFREW,	JIM	ROCHESTER	NY
RICHARDSON,	KURT	N SYRACUSE	NY

WTFDA ROSTERWTFDA ROSTER***WTFDA ROSTER***

RIDGE,	JOHN T	BROOKLYN	NY	VOGT,	LARRY,	SPRINGFIELD	VA			
RIEGER,	JOHN	SO MILWAUKEE	WI	WALCZAK	SP4 GARY	APO NY	NY			
RITCHIE,	EDWARD, JR	MUSKEGO	WI	WALKER,	WILLIAM	EAST HARTFORD	CT			
ROCCAFORTE,	ANSELMO	ARGENTINA		WALLACE,	JAMES J	MCKEE CITY	NJ			
ROGER,	"JOLLY,"	EDMONTON	ALBERTA	WALSH,	JOHN J, JR	BELLAIRE	OH			
ROGERS,	GEORGE	CHICKAMAUGA	GA	WALTER,	C	KENMORE	NY			
ROLLINS,	JIM	ALEXANDRIA	VA	WALTERS,	JOHN H	VINCENTOWN	NJ			
ROSE,	RICH R	DETROIT	MI	WARD,	TIM L	LOUISVILLE	KY			
ROSENBERG,	DR JOEL	RICHMOND HILL	ONTARIO	WARD,	THOMAS W	NEW YORK	NY			
ROSS,	ROBERT,	LONDON	ONTARIO	WARDELL,	PAUL	PORTLAND	OR			
ROUSE,	JOHN L.	BOWIE	MD	WEIL,	LARRY	HAVERHILL	MA			
ROWE,	ROBERT	CORPUS CHRISTI	TX	WEISBERG,	LARRY	MANCHESTER	NH			
RUSSELL,	STEVEN	TUCSON	AZ	WERTMAN,	RICH	LOCKPORT	NY			
SABELLA,	ROGER	CHICAGO	IL	WEST,	STEVE	HAVERTOWN	PA			
SANFORD,	CLIFFORD L	DAVISON	MI	WHEELER,	FRANK	ERIC	PA			
SCHISSLER,	GEORGE H	SWANNANOA	NC	WHITE,	MICHAEL	HONOLULU	HI			
SCHULMAN,	ERICH,	MURFREESBORO	TN	WILKIE,	BEN R	YORK	ME			
SCHWEITZER,	ROBERT E	OLD BRIDGE	NJ	WILLIAMS,	ROBERT J	TWIN FALLS	ID			
SEAMAN,	ROBERT	HAZLETON	PA	WIMER,	MICHAEL,	WOODBRIDGE	VA			
SEYBOLD,	ROBERT	DUNKIRK	NY	WING,	RON	WICHITA	KS			
SHAFFER,	BILL	TOLEDO	OH	WOLDERING,	PETER	HOLLAND				
SHAFTAN,	RICHARD K	HOBOKEN	NJ	WOLF,	JEFF	SILVER SPRING	MD			
SHAPIRO,	DAVID	GRIFFIN	GA	WOLFE,	GEOFF	MT WAVERLY	AUSTRALIA			
SHERMAN,	GEORGE	APPLE VALLEY	MN	WOOD,	TRACY,	MARTINEZ	GA			
SHULTS,	MARVIN	TOULON	IL	WRIGHT,	PETER	CHARLOTTE	N B			
SHURA,	CRAIG	ST CATHARINES	ONTARIO	WURL,	DAVID M	MARSHFIELD	WI			
SIEGEL,	GARY	TOLEDO	OH	WYLLIE,	WILLIAM	FRANKLIN	MA			
SIMON,	KENNETH R	LAKE NORTH	FL	YINGLING,	THOMAS, JR	BALTIMORE	MD			
SINCLAIR,	DAVID A	VANCOUVER	B C	ZANK,	NEIL G	LINCOLN	NE			
SIROVY,	EDWARD	WESTMONT	IL	ZEIS,	JOHN	EXTON	PA			
SITTEL,	MATT	RALEIGH	NC	ZENT,	ROBERT	HUNTINGTON	IN			
SMITH,	JOSEPH, JR	JOHNSON CITY	NY	ZIMMERMAN,	IAN	GARDENVILLE	NY			
SMOLAREK,	ROBERT	WHITEHOUSE STAT	NJ	ZONDLO,	JOHN	OKLAHOMA CITY	OK			
SNOW,	DR JAMES	DARIEN	GA	ZUK,	KARL J	CROTON-ON-HUDSON	NY			
SNYDER,	JACK	SCRANTON	PA	COMMENTS: LETS MAKE THIS ROSTER AN ANNUAL VUD FEATURE!!!! THIS WAS PLANNED TO BE READY FOR THE JANUARY ISSUE ORIGINALLY BUT THE MEMBER WHO VOLUNTEERED TO DO IT SAID HE WAS TOO BUSY TO FINISH IT.....THIS BRINGS UP AN IMPORTANT POINT.....IF YOU VOLUNTEER TO DO SOMETHING FOR THE VUD.....DO IT!!!! THE CLUB DEPENDS 100% ON VOLUNTEERS TO COMPLETE PROJECTS AND ARTICLES LIKE THIS ONE.....I WOULD LIKE TO SUGGEST THAT WHOEVER DOES THE NEXT SUCH ROSTER SHOULD HAVE A MAP (MABYE A VUD COVER!!!!) SHOWING LOCATIONS OF WTFDAERS AND PERHAPS EVEN LISTINGS BY STATE, PROV., CITY, ETC. (JUST LIKE IN VANE JONES) SHOWING WHO AND WHERE THE CLUBMEMBERS ARE.....I DECIDED TO LEAVE OUT OF THIS LIST THE CALL SIGNS THAT APPEAR NEXT TO MANY MEMBERS NAMES ON THEIR MAILING LABELS AS I HAVE NO WAY OF TELLING IN MANY CASES WHAT THEY MEAN.....SOME ARE HAM RADIO/CB CALL SIGNS BUT OTHER ONES ARE APPARENTLY SHORTWAVE LISTENER OR SCANNER MONITOR CALL SIGNS, ITS HARD FOR ME TO TELL THE DIFFERENCE.....THIS LIST IS BASED ON MAILING ADDRESSES OF MEMBERS, SOME MEMBERS HAVING U.S. CITIES AS THEIR ADDRESSES ARE ACTUALLY USING THEM AS MAIL DROPS AND ARE STATIONED OR LIVING OUTSIDE THE CONTINENTAL U.S.....THIS LISTING IS BASED ON CLUB MEMBER VUD MAILINGS AND DOES NOT INCLUDE ADDITIONS AND DELETIONS AND SOME ADDRESS CHANGES MADE FROM 10/88 TO 1/89.....I AM NOT RESPONSIBLE FOR MISPELLING NAMES, BLAME THE COMPUTERS FOR THAT, OKAY?, HI, HI,.....73s, RON S.						

STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Sansui TU-517 tuner. Will sell because I have a Denon TU-800 on order. Unit in very good shape, has good analog frequency readout, good sensitivity and selectivity, and would offer improvement for anyone using low-moderate price receiver, ghetto blaster, etc. Has a little (AC?) hum. You can't go wrong at \$25 plus shipping! Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

FOR SALE - Magnum FT 101 Dynalab FM tuner and accompanying 12 element Lindsay yagi (they supply the cable business with antennas here in Canada as well as in the U.S.A.)...will be sold to the highest bidder, they are the top of the line and tuner still has three years of guarantee left on it...original price came to around \$700. Albert H. Ellis - 19 McClure Ave. - Brantford ONTARIO N3R 4L7 - CANADA - (519) 752-0196

FOR SALE - Foreign-standard TV's for F2 DXing! Many available at local pawn shops due to nearby military bases. Examples: Sharp Linytron DV 262SPN 25 inch 7 system (SECAM, PAL, NTSC systems) w/remote \$299, Toshiba Blackstripe 19 inch 4 system (SECAM, PAL, NTSC 3.58, NTSC 4.43) \$175. We will check out set as best we can, but sold as is! Packing and shipping extra. If you live near military base check local pawn shops!!! Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

FOR SALE - Archerotar #15-001225. In very good shape. Cost \$60 in July '87. Will sell for \$30, shipping included. Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

FOR SALE - Radio Shack VHF/UHF/FM mast-mounted preamp #15-001124. In very good shape. Cost \$35 in July 1987. Will sell for \$18, shipping included. Call or write Doug Allen - PO Box 5646 - Woodlawn Park CO 80866 - (719) 687-3549

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

FM MAYHEM!!!

COMING SOON
in the V.U.D.

GET READY--SPRING IS BACK.
IT'S TIME FOR VHF DX TO
GET STARTED AGAIN!

HELP GET OVER THE ANNUAL
DX SLUMP WITH A WORD
PUZZLE FOR VHF/UHF DXERS!